



## PERSONAL DETAILS

**Name** : Noor Dayana Abd Halim  
**Designation** : Assoc Prof Dr.  
**Professional Membership** : Malaysian Board Of Technologists (Ts)  
**Gender** : Female  
**Date of birth** : 1<sup>st</sup> Julai 1986  
**Nationality** : Malaysian  
**Marital Status** : Married  
**Permanent address** : No 6 Jalan PI 3/11, Taman Pulai Indah, 81300 Kangkar Pulai Johor Bahru  
**Correspondent address** : Department of Science, Mathematics and CreativeMultimedia Education, School of Education, Faculty of Social Sciences and Humanities, Universiti Teknologi Malaysia, 81310 Johor Bahru, Johor Malaysia.  
**Tel (Mobile)** : 012-3426136  
**Tel (Office)** : 607-5534417  
**(Fax)** : 607-5560542/5577351/5534884  
**E-mail** : noordayana@utm.my, noordayanahalim@gmail.com  
**Website** : educ.utm.my/noordayana  
**ID Staff** : 11437  
**Expertise** : Technology in Education, E-Learning, Personalized Learning, Online Learning, Multimedia in Education, Augmented Reality, Social Learning  
**H-Index (Scopus)** : 9  
**H-Index (Google Scholar)** : 12

## ACADEMIC QUALIFICATIONS

NO	LEVEL OF EDUCATION	COURSE	UNIVERSITY	STARTING DATE	ENDING DATE
1	Ph.D. Doctor of Philosophy	Educational Technology	Universiti Teknologi Malaysia	2009	2012
2	B. Sc. Bachelor	Science and Computer with Education (Chemistry) (Hons), Universiti Teknologi Malaysia	Universiti Teknologi Malaysia	2005	2009

## AWARD AND HONORS RECEIVED

Summary	
International Awards/Honors	1
National Awards/Honors	1
UTM Awards/Honors	2

Faculty Awards/Honors	5
Awards (Teaching)	18
Awards Exhibition (Special, Gold, Bronze and Silver)	83

NO	AWARD (INTERNATIONAL)	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1.	Award for Education Category at 6th Korea Invention Award Festival (KIAF) – CBOND Product	International	2017

NO	AWARD (NATIONAL)	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1.	Anugerah Khas YB Menteri Pendidikan Malaysia : Rekabentuk Kurikulum dan Penyampaian Inovatif (AKRI) 2022 - Kategori Rekabentuk Kurikulum Dan Penyampaian Inovatif	National (Ketua)	2022
2.	Anugerah Khas YB Menteri Pendidikan Malaysia : Rekabentuk Kurikulum dan Penyampaian Inovatif (AKRI) 2019 - Kategori Pengalaman Pembelajaran Imersif (Pengalaman Pembelajaran Imersif Teradun)	National (Ahli)	2019

NO	AWARD (UTM)	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1.	New Acadamia Learning Innovation (NALI) Teaching Award	Universiti Teknologi Malaysia	2020
2.	Anugerah Perkhidmatan Cemerlang – APC Citra Karisma UTM	Universiti Teknologi Malaysia	2012

NO	AWARD (FACULTY)	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1.	Anugerah Perkhidmatan Cemerlang (APC) in Faculty of Social Sciences and Humanities for 2019	Faculty of Social Sciences and Humanities	2020
2.	Pemenang Anugerah Webomaterik Kategori Pensyarah 2019	Faculty of Social Sciences and Humanities	2020
3.	Anugerah Perkhidmatan Cemerlang (APC) in Faculty of Social Sciences and Humanities for 2018	Faculty of Social Sciences and Humanities	2019
4.	Anugerah Inovasi Fakulti Pendidikan UTM, 2015	Faculty of Education	2015
5.	Anugerah Perkhidmatan Cemerlang (APC) in conjunction with 2013 UTM Citra Karisma Ceremony	Faculty of Education	2013

NO	AWARD (TEACHING)	LEVEL	YEAR
----	------------------	-------	------

		(FACULTY /UTM /NATIONAL /INTERNATIONAL)	
1	Award Of Excellence – MPP1403-01 Innovative Learning Environment	Faculty of Social Sciences and Humanities	2020
2	Award Of Excellence – SHPP 1042-03 Educational Technology	Faculty of Social Sciences and Humanities	2020
3	Award Of Excellence – SHPP 1032-02 Telecommunication and Computer Network	Faculty of Social Sciences and Humanities	2020
4	Award Of Excellence – MPPP1313 Mobile Learning Application Development	Faculty of Education	2018
5	Award Of Excellence – MPPP1423 Best Practice' Of Teaching Learning In New Media	Faculty of Education	2018
6	Award Of Excellence – MPPP1223 Authoring System	Faculty of Education	2018
7	Award Of Excellence – MPPP1413 User Interaction in New Media	Faculty of Education	2018
8	Award Of Excellence – MPPP1403 Innovative Learning Environment	Faculty of Education	2017
9	Award Of Excellence – MPPP1423 Best Practice' Of Teaching And Learning In New Media	Faculty of Education	2017
10	Award Of Excellence - MPPU1003 Innovations in Learning And Teaching	Faculty of Education	2017
11	Award Of Excellence - SPPM 1702 Multimedia Software Design	Faculty of Education	2017
12	Award Of Excellence - SPPM 2342 Information Management System In Education	Faculty of Education	2017
13	Award of Excellence – SPPM1013-02 Telecommunication and Networking	Faculty of Education	2017
14	Award of Excellence – MPPP1423-01 Best Practices of Teaching and Learning in New Media	Faculty of Education	2016
15	Award of Excellence – SPPM 1012-02 Telecommunication and Networking	Faculty of Education	2016
16	Award of Excellence – MPPP1403-01 Innovative Learning Environment	Faculty of Education	2015
17	Anugerah Pensyarah Paling Aktif Dalam Penggunaan E-Learning	Faculty of Education	2015
18	Anugerah Pensyarah Paling Aktif Dalam Penggunaan E-Learning	Faculty of Education	2014

NO	AWARD(EXHIBITION)	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
<b>Special Award</b>			
1	Best of The Best Award at Hari Inovasi Fakulti Pendidikan Kali ke-6 – Kit Pembelajaran: Drops of Light	Faculty of Education	2017
2	Diamond Medal at IIID Johor, 2015 - C-Bond: Mobile Augmented Reality For Learning Chemical Bond	National	2015

Gold Medal			
1	Gold Medal at Invention, Innovation and Design on E-Learning (ELCC 2018) – Learning Analytic Intervention	International	2018
2	Gold Medal at Hari Inovasi Inovasi Fakulti Pendidikan Kali ke-6 Kit Pembelajaran: Drops of Light	Faculty of Education	2017
3	Gold Medal at Hari Inovasi Inovasi Fakulti Pendidikan Kali ke-5 – Produk Dy-Eco	Faculty of Education	2016
4	Gold Medal at Hari Inovasi Inovasi Fakulti Pendidikan Kali ke-5 – Produk Kit FOF – Friend's of Female	Faculty of Education	2016
5	Gold Medal at Hari Inovasi Inovasi Fakulti Pendidikan Kali ke-5 – Kit Fotosintesis	Faculty of Education	2016
6	Gold Medal at iideX 2016 –View: A new Way of Online Learning	International	2016
7	Gold Medal at iideX 2016 - Ar-Science Magic Book Learning System	International	2016
8	Gold Medal at iideX 2016 - C-Bond: Mobile Augmented Reality For Learning Chemical Bond	International	2016
9	Gold Medal at I-TIIC 2016 - Ar-Science Magic Book Learning System (Pitching)	International	2016
10	Gold Medal at I-TIIC 2016 - C-Bond: Mobile Augmented Reality For Learning Chemical Bond	International	2016
11	Gold Medal at I-PEINX 2016 - A New Way of Online Learning	International	2016
12	Gold Medal at I-PEINX 2016 - Ar-Science Magic Book Learning System	International	2016
13	Gold Medal at I-PEINX 2016 - C-Bond: Mobile Augmented Reality For Learning Chemical Bond	International	2016
14	Gold Medal at I-PEINX 2016 - Aredkit: Augmented Reality Engineering Drawing Kit	International	2016
15	Gold Medal at NUCEL 2015 - Ar-Science Magic Book Learning System	International	2015
16	Gold Medal at IIID Johor, 2015 - Volley: DIG   SERVE   SPIKE	International	2015
17	Gold Medal at I-PHEX, 2015 - Blossoms: Blended Learning Approach that Helps Develops Teachers' and Students' Higher-Order Thinking Skills (HOTS) in Science, Technology, Engineering and Mathematics (STEM)	International	2015
18	Gold Medal at I-PHEX 2014 - Innovative Practices in Higher Education Expo 2014, BLOSSOMS	International	2014
19	Gold Medal at NUCEL 2014 - Learning 2D-Animation Apps	International	2014
20	Gold Medal at Konvensyen Antarabangsa Jiwa Pendidik 2014 - ChemMol4	International	2014
21	Gold Medal at NUCEL 2014 - Learning 2D-Animations Apps	International	2014
22	Gold Medal at IPHEX 2014 - Learning 2D-Animations Apps	International	2014

23	Gold Medal at I-PHEX 2014 - Innovative Practices in Higher Education Expo 2014, BLOSSOMS	International	2014
<b>Silver Medal</b>			
1	Silver Medal at New Academia Learning Innovation (NALI 2018)– Volley Ball World	International	2018
2	Silver Medal at STEM-MATE Competition (NALI 2018) – Drop of Light	International	2018
3	Silver Medal at STEM-MATE Competition (NALI 2018) – Dy-Eco	International	2018
4	Silver Medal at Hari Inovasi Inovasi Fakulti Pendidikan Kali ke-6 – Produk C-Bond Kit	Faculty of Education	2017
5	Silver Medal at Hari Inovasi Inovasi Fakulti Pendidikan Kali ke-6 – Trigo Trick	Faculty of Education	2017
6	Silver Medal at I-TIIC 2016 - C-Bond: Mobile Augmented Reality For Learning Chemical Bond (Pitching)	International	2016
7	Silver Medal at Hari Inovasi Inovasi Fakulti Pendidikan Kali ke-5 – Produk Detective on Hunt, DoH	Faculty of Education	2016
8	Silver Medal at Hari Inovasi Inovasi Fakulti Pendidikan Kali ke-5 – Produk Magic Box	Faculty of Education	2016
9	Silver Medal at NUCEL 2015 – View: A new Way of Online Learning	National	2015
10	Silver Medal IIID Johor, 2015 - Ar-Science Magic Book Learning System	National	2015
11	Silver Medal at MTE 2010 - Sci-On: Online Active Learning Activities for Science	National	2014
<b>Bronze Medal</b>			
1	Bronze Award - Nali 2020 Exhibition & Competition – Pembelajaran Aktif Dalam Talian Menggunakan Whatsapp	Universiti Teknologi Malaysia	2020
2	Bronze Medal at New Academia Learning Innovation (NALI 2018)–Kelab Suka Belajar	Universiti Teknologi Malaysia	2018
3	Bronze Medal at Hari Inovasi Inovasi Fakulti Pendidikan Kali ke-6 – Produk Papan Genetik	International	2017
4	Bronze Medal at IPHEX 2017 - Framework For Meaningful Interaction in Social Learning Environment To Enhance Critical Thinking Skills among Students	International	2017
5	Bronze Medal at IPHEX 2017 - Enhancing Students' Critical Thinking using Online Reciprocal Peer Tutoring (RPT) Framework	International	2017
6	Bronze Medal at Hari Inovasi Inovasi Fakulti Pendidikan Kali ke-5 – Produk Learning Set With Style	Fakulti Pendidikan	2016
7	Bronze Medal at IIDEL 2016 – View: A new Way of Online Learning	International	2016
8	Bronze Medal at IIDEL 2016 - Ar-Science Magic Book Learning System	International	2016

9	Bronze Medal at IIDEL 2016 - C-Bond: Mobile Augmented Reality For Learning Chemical Bond	International	2016
10	Bronze Medal at I-TIIC 2016 - Ar-Science Magic Book Learning System (Poster)	International	2016
11	Bronze Medal at NUCEL 2015 - E-Volley: DIG   SERVE   SPIKE	International	2015
12	Bronze Medal at NUCEL 2015 - C-Bond: Mobile Augmented Reality For Learning Chemical Bond	International	2015
13	Bronze Medal at NUCEL 2015 - ChemMol4: Pengembaraan Bersama Haiqal	International	2015
14	Bronze Medal at NUCEL 2015 - Mobile Learning Apps (HOTs Flash)	International	2015
15	Bronze Medal at NUCEL 2015 - Pro-Mc Physics: Aplikasi Kemahiran Metekognitif Dalam Strategi Penyelesaian Masalah Fizik	International	2015
16	Bronze Medal at NUCEL 2015 - E-Module for Vocational College	International	2015
17	Bronze Medal at IIID Johor, 2015 – View: A 3-D Virtual World for Cooperative Learning	National	2015
18	Bronze Medal at INATEX, 2015 - Ar-Science Magic Book Learning System	International	2015
19	Bronze Medal at I-PHEX, 2015 - The Effects of Virtual Learning Environment Courseware in Learning Engineering Drawing	International	2015
20	Bronze Medal at I-PHEX, 2015 – View: A 3-D Virtual World for Cooperative Learning	International	2015
21	Bronze Medal at INATEX 2010 - Career Info-SYS: Online Career Information System	UTM	2010
22	Bronze Medal at INATEX 2009 - Sci-On: Online Active Learning Activities for Science	UTM	2010

## WORKING EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1	Senior Lecturer	November 2012	Present	School of Education, Faculty of Social Sciences and Humanities UTM
2	Tutor	September 2009	September 2015	School of Education, Faculty of Social Sciences and Humanities UTM

## PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

Summary	
International Professional Membership / Qualifications / Recognition	-
National Professional Membership / Qualifications / Recognition	6

NO	NAME OF PROFESSIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
----	---------------------------------	---	------	------

1	Graduates Technologist Malaysia Board of Technology (MBOT)	National	Graduate Technologist	2019-Present
2	Member of The Young Scientists Network-Academy of Sciences Malaysia (YSN-ASM)	National	Affiliate	2017-Present
3	Member of IEEE Advancing Technology for Humanity Society, (ID Number : 93001803)	National	Member	2015-Present
4	Member of Society of Education Engineering Malaysia (SEEMS), (ID Number : P0315)	National	Member	2016-Present
5	Member of Persatuan Pendidikan Sains dan Matematik Johor (PPSMJ)	National	Member	2016-Present
6	Member of Persatuan Pendidikan Teknik dan Vokasional	Faculty of Education	Member	2014-2015

### ADMINISTRATIVE EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1	Head of Creative and Innovative Technology in Education (CITE)	2015	2018	Smart Digital Community UTM
2	BLOSSOMS Manager	July 2015	November 2015	UTM Academic Leadership (UTMLead), UTM
3	Program Coordinator Open and Distance Learning Educational Technology	2019	Present	School of Education, Faculty of Social Sciences and Humanities UTM
4	Web Master Faculty of Education	2014	2018	School of Education, Faculty of Social Sciences and Humanities UTM

### RESEARCH ACTIVITIES

Summary	
Principal Investigator- International Grants	-
Principal Investigator- National Grants	2 projects (RM122,200)
Principal Investigator- UTM Grants	8 projects (RM267,000)
Member- International Grants	-
Member- National Grants	9 projects (RM 557,500)
Member- UTM Grants	39 projects (RM1,268,320)
Member – Networking Grants	12 projects (RM 128,195)

*As a principal investigator*

#### National Grant

BIL	NAME OF GRANT	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	Kerangka Pembelajaran Inkuiri Untuk Aktiviti Eksperimen Kimia Bagi Meningkatkan Kemahiran Kreativiti Saintifik Dalam Kalangan Pelajar.	Fundamental Research Grants (FRGS)	RM 53000	August 2017	August 2019	R.J130000.78 31.4F930.
2	Framework for Meaningful Interaction in Social Learning Environment	Fundamental Research Grants (FRGS)	RM 69200	December 2014	November 2016)	R.J130000.78 31.4F604

### UTM Grant

BIL	NAME OF GRANT	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1	C-BOND AR: Mobile Augmented Reality for Learning Chemical Bond	UTM PRGS ICC	RM 20000	December 2020	November 2021	Q.J130000.44 53.4J481
2	Development Of Mobile Augmented Reality (MAR) for Learning Chemistry to Enhance Visualization Skill Among Students	UTM Prototype Research (UTMPR)	RM80000	January 2020	Dec 2021	Q.J130000 .2853.00134
3	Pembangunan Modul Aktiviti Bagi Menerapkan Pendidikan STEM di Kalangan Pelajar, Guru dan IbuBapa Melalui Program Bertemakan STEM	Research University Grant (Tier 1)	RM 30000	February 2018	July 2019	Q.J130000. 2531.19H47
4	Developing Volleyball Players Decision Making Skills By Integrating Video In Mobile Application And Determining Its Contribution To The Community Of Practise	Research University Grant (Tier 1)	RM 47400	July 2016	December 2017	Q.J130000. 2531.13H62
5	Collaborative Strategy in Learning Chemistry through Blossom.	Research University Grant (Flagship)	RM30000	July 2015	June 2016	R.J130000. 7331.J156
6	Peer Tutoring Teaching Model in Social Networking Sites To Enhance Students' Critical Thinking Among Higher Education Students.	Research University Grant (UTMF)	RM20000	July 2014	June 2016	R.J130000. 7731.4J132

7	Collaborative Learning Using Mobile Augmented Reality System for Promoting Scientific Mental Model Development.	Research University Grant (Tier 2 E)	RM 20000	July 2014	June 2015	Q.J130000.2631.10J52
8	Pattern of Interaction Model for Field Dependent and Field Independent Students in Personalized Learning Environment	Research University Grant (Pas).	RM 20000	November 2013	October 2014	Q.J130000.2731.00K63

**As a scientific member**

**National Grant**

BIL	NAME OF GRANT	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1.	Q STEM Virtualreality/Augmented Reality Self Learning Module For Appreciation Of Al Quran And Critical Thinkingkreativiti Saintifik Dalam Kalangan Pelajar.	Prototype research Grants Scheme (PRGS)	RM 84600	December 2019	August 2022	R.J130000.78 53.4L711
2.	Kerangka Pelaksanaan Program Akademik Di Sekolah Integriti Di Malaysia.	Fundamental Research Grants (FRGS)	RM60000	September 2019	May 2022	R.J130000.78 53.5F272.
3.	Model Pendekatan STEM Belantara Berteraskan Nilai Murni Bagi Pendidikan Orang Asli	Fundamental Research Grants (FRGS)	RM60000	Sep 2019	May 2022	R.J130000.78 53.5F267
4.	Development Of Augmented Reality Learning Model To Observe, Identify And Determine Visualization Skills Among Research University Engineering Students	Fundamental Research Grants (FRGS)	RM68200	July 2014	Jun 2016	R.J130000.78 31.4F557
5.	Embed Flipped Classroom In School Based Assessment Framework	Fundamental Research Grants (FRGS)	RM68200	July 2014	June 2016	R.J130000.78 31.4F468
6.	Pembinaan Kerangka Pembelajaran Aktif Bagi Pembelajaran Sains	Fundamental Research	RM52200	December 2013	June 2016	R.J130000.78 31.4F37

	Dalam Persekitaran Maya 3D.	Grants (FRGS)				
7.	An Investigation to Integrate Individual and Social Creativity in Promoting Human-Computer Interface Designing Skill Through Computer-Supported Collaborative Learning	Fundamental Research Grants (FRGS)	RM47300	December 2013	Dec 2015	R.J130000.78 16.4F297
8.	Inculcating scientific reasoning skills for science, technology, engineering and mathematics (STEM) using Robotic approach in Physics Experiment in school.	Fundamental Research Grants (FRGS)	RM67200	December 2013	June 2016	R.J130000.78 31.4F411
9.	Online Social Learning Model For Predicting Students Performance	Fundamental Research Grants (FRGS)	RM50000	April 2012	September 2014	R.J130000.78 31.4F116

#### UTM Grant

BIL	NAME OF GRANT	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1.	Development Of Augmented Reality Engineering Drawing Apps (Aredapps) To Improve Visualization Skills In Engineering Drawing Course.	UTM Prototype Research	RM80,000.	January 2020	June 2022	Q.J130000.28 17.00L25
2.	Pembelajaran Berasaskan Masalah Kreatif dalam Pendidikan STEM terhadap Domain Kreativiti Pelajar	UTM Shine	RM40000	February 2020	October 2020	Q.J130000.24 53.09G35
3.	Mengkaji Keberkesanan Pendidikan Saudara Kita Secara Atas Talian Melalui Edu-Muallaf.	UTM R&D Fund	RM12741	February 2019	January 2020	R.J130000.77 53.4J385.
4.	HIR 3.5 : Data Driven Student's Learning Framework	High Impact Grant	RM 37000	February 2018	September 2021	Q.J130000.24 10.04G79
5.	Meningkatkan peranan ibu bapa, komuniti dan masyarakat dalam pembangunan akademik, sahsiah, disiplin murid serta	Research University Grant (PAS).	RM10500	February 2017	April 2017	S.J130000.73 31.4X262

	kokurikulum melalui Karnival STEM di Kluang.					
6.	Mengenalpasti keberkesanan karnival suka belajar dalam meningkatkan minat dan sikap pelajar terhadap STEM.	Research University Grant (PAS).	RM10000	February 2017	December 2017	S.J130000.03 1.4X264
7.	Using Social Network Analysis to Assess Student's Social Behavior Structure in Online Learning Community.	Research University Grant (Tier 2).	RM10000	July 2017	September 2018	Q.J130000.26 31.13J96.
8.	e-Pembelajaran untuk Mualaf (e-Mualaf) bagi Institut Latihan Saudara Baru Johor.	Research University Grant (IISJ-UPENJ)	RM50000	January 2017	Jun 2018	R.J130000.73 31.4B281
9.	Learning Analytics Framework for Enhancing Students' Cognitive Retention, Cognitive Engagement, and Motivation in Online Learning.	Research University Grant (FRGS)	RM54060	August 2017	Feb 2020	R.J130000.78 10.4F924.
10.	Pelaksanaan Service Learning Sebagai New Academia Learning Innovation (Nali): Satu Kajian Kualitatif Di Utm,	Research University Grant (DPP).	RM10000	July 2016	July 2018	R.J130000.77 31.4J254.
11.	Exploring The Effectiveness Of Self-Regulated Learning Strategies For Learning Retention In MOOC	Research University Grant (DPP)	RM18600	July 2016	July 2018	R.J130000.77 16.4J250
12.	Breaking Down Barriers To Student Centred Learning With Nali Learning Technologies: A Case Study Of The Universiti Teknologi Malaysia,	Research University Grant (DPP)	RM19500	July 2016	July 2018	R.J130000.77 16.4J251.
13.	The Effectiveness of "Young Innovate Program" On Students' Interest and Success In Stem	Research University Grant (Tier 1).	RM50000	July 2016	Jun 2018	Q.J130000.25 31.13H68.
14.	Scarletcare: A Framework Of Social Capital Integration For Effective Breastfeeding Peer Support Networking Program (Bfpsnp) To Reinforce	Research University Grant (Tier 1).	RM30000	October 2016	March 2019	Q.J130000.25 31.15H57.

	Breastfeeding Advocacy Initiatives In Malaysia					
15.	The Use Of Learning Analytics To Support Improvements In Teaching Practice	Research University Grant (MG).	RM200000	February 2015	July 2018	Q.J130000.30 10.00M68
16.	The relation of BLOSSOMS and 21st century learning aspirations.	Research University Grant (UTMF)	RM30000	July 2015	Sep 2016	R.J130000.73 31.4J158.
17.	A Practical Analysis Of Research On The Impact Of BLOSSOMS In Increasing Teachers' Content Mastery Level.	Research University Grant (UTMF)	RM20000	July 2015	Sep 2016	R.J130000.73 16.4J160.
18.	Guidelines For Students Online Learning Success: An Implementation Of The Framework Of Metacognitive Scaffolding In Learning Through Facebook.	Research University Grant (PAS)	RM20000	July 2015	Jun 2016	Q.J130000.27 31.01K89
19.	An Integrated Peer Instruction Model To Reduce Cognitive Load In Social Media Learning	Research University Grant (FRGS)	RM60200	Dec 2014	Nov 2016	R.J130000.78 31.4F612
20.	Designing Augmented Reality Learning Environment To Enhance Visualization Skills Among Engineering Student With Different Learning Style,	Research University Grant (Tier 2 E).	RM20000	May 2015	July 2017	Q.J130000.26 31.11J13
21.	Membentuk Kemahiran Penyelesaian Masalah Dari Perspektif Metakognitif Menggunakan Pembelajaran Melalui Web	Research University Grant (Tier 2 E)	RM20000	May 2015	July 2016	Q.J130000.26 31.10J72.
22.	The Patterns And Behaviours Of Mathematical Higher Order Thinking Skills (Hots) Problem Solving Among Secondary School Students	Research University Grant (Tier 2 E).	RM20000	May 2015	July 2016	Q.J130000.26 31.10J70.
23.	Towards Future University: Mobile Learning Social Network Model.	Research University Grant (UTMF)	RM20000	July 2014	Jun 2016	R.J130000.77 10.4J130.
24.	Learning Analytics: Predicting Postgraduate Students Graduation	Research University Grant (UTMF)	RM20000.	July 2014	Jun 2016	R.J130000.77 31.4J129.

25.	Recognition Of Students Pattern Of Metacognitive Knowledge Strategies In Online Learning.	Research University Grant (UTMF)	RM20000	July 2014	Jun 2015	Q.J130000.26 31.10J58.
26.	Students' Knowledge Construction In Online Learning Discussion	Research University Grant (PAS).	RM20000	October 2013	September 2014	Q.J130000.27 31.00K61
27.	Integrating BLOSSOMS as a Pedagogical Tool for Interactive Instruction: Improving Students Thinking Skills.	Research University Grant (Flagship)	RM30000	April 2013	March 2014	Q.J130000.24 31.00G83
28.	Technological Pedagogical Content Knowledge Of Postgraduates In Learning To Teach With Blossom Videos	Research University Grant (Flagship)	RM30000	April 2013	March 2014	Q.J130000.24 31.01G29
29.	Teachers' readiness in designing and developing BLOSSOMS for classroom learning in Malaysian learning institutions	Research University Grant (Flagship)	RM30000	April 2013	March 2014	Q.J130000.24 16.00G89
30.	Towards Future University: Mobile Learning Social Network Model	Research University Grant (Flagship)	RM15000.	April 2013	March 2014	Q.J130000.24 10.00G84.
31.	Ekplorasi interaktiviti dalam persekitaran aktiviti pembelajaran berasaskan Prinsip-Prinsip CKB dan Teori Akitviti menggunakan Activity-Oriented Design Method	Research University Grant (Tier 2)	RM43719	December 2012	December 2013	Q.J130000.26 31.08J33.
32.	Development Of A Video-Based Learning Framework Embedded With Cognitive Conflict Strategies To Overcome Students Misconceptions	Research University Grant (Tier 2)	RM32000	December 2012	December 2013	Q.J130000.26 16.08J09.
33.	Personalized Learning Based On Cognitive Styles For Mental Model Development.	Research University Grant (Tier 2)	RM40000	April 2011	October 2012	Q.J130000.26 31.00J12.
34.	Online User Modelling Based On Individual Differences In Learning Fractions.	Research University Grant (Tier 2)	RM40000	April 2011	Sep 2012	Q.J130000.26 31.00J08
35.	Visual Authentic Learning Environment Through Flipped Classroom Strategy	Research University Grant (UTMF)	RM20000	Jun 2016	May 2015	R.J130000.77 31.4J172.

	In Utm-MOOC (Massive Open Online Courses).					
36.	An Exploratory Study Of Blossoms Video Acceptance And Usage For Self Directed Learning.	Research University Grant (UTMF)	RM30000	July 2015	Sep 2016	R.J130000.73 31.4J159.
37.	Scaffolding Framework In Communication Process Of Learning Using Blossoms.	Research University Grant (UTMF).	RM30000.	July 2015	Sep 2016	R.J130000.73 31.4J157.
38.	Piawain Strategi Service Learning Berfokuskan Displin Dalam Academia Baru.	Research University Grant (UTMF).	RM15000	Jun 2015	May 2017	R.J130000.77 31.4J152.
39.	Pembentukan Kemahiran Insaniah Pelajar Menerusi Pembelajaran Teradun Dalam Persekitaran E-Autentik Bervisual	Research University Grant (UTMF).	RM10000	July 2014	Jun 2016	R.J130000.77 16.4J135.

#### Networking Grant

BIL	NAME OF GRANT	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1.	Kajian Ke Atas Kemahiran Penyelesaian Masalah STEM (Sains, Teknologi, Kejuruteraan Dan Matematik) Dalam Kalangan Pelajar Tahun 6 Sekolah Rendah Islam Hidayah.	Contract Research DTD	RM2000	September 2019	September 2020	R.J130000.76 53.4C312.
2.	OCEAN Project: Online Content Development For K-12 Education.	Contract Research DTD	RM86940	June 2019	October 2019	R.J130000.76 16.4C257.
3.	Keberkesanan Karnival dan pameran mega STEM di Sekolah Sultan Ismail, JB untuk meningkatkan minat dan pilihan kerjaya pelajar	Networking Grant	RM1800	February 2018	July 2018	S.J130000. 7353.4X360
4.	Meningkatkan peranan perpustakaan sebagai wadah pembinaan dan pengembangan ilmu masyarakat.	Networking Grant	RM5410.	December 2017	April 2018	S.J130000. 7353.4X359
5.	Meningkatkan peranan ibu bapa, komuniti dan masyarakat dalam pembangunan akademik, sahsiah, disiplin murid	Networking Grant	RM10500	February 2017	April 2017	S.J130000. 7331.4X262

	serta kokurikulum melalui Karnival STEM di Kluang					
6.	Mengenalpasti keberkesanan karnival suka belajar dalam meningkatkan minat dan sikap pelajar terhadap STEM	Networking Grant	RM10000	February 2017	December 2017	S.J130000.031.4X264
7.	Service Learning: Projek Rangkaian Komputer Dan Wifi SSM Air Tawar	Networking Grant	RM1315.	November 2016	December 2016	S.J130000.7331.4X200
8.	Service Learning Program: Network Cable And Wifi Installation - Smk Sultanah Engku Tun Aminah.	Networking Grant	RM2290.	October 2015	January 2016	S.J130000.7331.4X183
9.	Service Learning: 21st Century New Emerging Learning Technologies - Sek Keb Taman Mutiara Rini (Learning Living Skills).	Networking Grant	RM2550	October 2016	December 2016	S.J130000.7331.4X204
10.	Projek Pengkabelan Rangkaian Komputer & Wifi Blok N30	Networking Grant	RM1420	April 2016	May 2016	S.J130000.7331.4X156
11.	Service Learning: 21st Century New Emerging Learning Technologies - Sek. Jen. Keb. Tamil Permas Jaya (Learning Science).	Networking Grant	RM1970	Oktober 2016	Dec 2016	S.J130000.7331.4X193
12.	Bengkel Berkala Pembangunan Modul Pengajaran STEM dan PAK 21	Networking Grant.	RM2000	July 2014	Jun 2016	S.J130000.7353.4X483

## PUBLICATIONS

Summary	
Impact Factor (IF) Journal	3
ISI Article/Journal	17
Scopus Article/Journal	29
Non-Indexed Article/Journal	19
Indexed Conference Proceedings	2
Non- Indexed Conference Proceedings	96
Edited Book	1
Book Chapters	12

## JOURNAL IMPACT FACTOR (IF) 2020

1. Zulkifli, N. N., **Halim, N. D. A.**, Yahaya, N., & Van Der Meijden, H. (2020). Patterns of Critical Thinking Processing in Online Reciprocal Peer Tutoring through Facebook Discussion. *IEEE Access*. **8(1)**, pp, 24269-24283, IF= 4.098

#### 2017

1. Abdullah, A. H., Mokhtar, M., **Halim, N. D. A.**, Tahir, L. M., Kohar, U, H, A. (2017),, Mathematics teachers' level of knowledge and practice on the implementation of higher-order thinking skills (HOTS), *Eurasia Journal of Mathematics Science and Technology Education*, **13(1)** pp, 3-17, IF= 0.903

#### 2013

1. Tasir, Z., Abour, K.M.E.A., **Halim, N.D.A.**, Harun, J. (2012),, Relationship between teachers' ICT competency, confidence level, and satisfaction toward ICT training programmes: A case study among postgraduate students, *Turkish Online Journal of Educational Technology*, **11(1)** pp, 138-144, IF= 0.956

### ISI ARTICLE/JOURNAL

#### 2018

- 1 Zulkifli, N.N., **Halim, N.D.A.**, Yahaya, N., (2018) The impact of online reciprocal peer tutoring on students' academic performance, *Journal of Engineering Science and Technology* 13 pp. 10-17
- 2 Zulkifli, N.N., **Halim, N.D.A.**, Yahaya, N., Van Der Maiden, H. (2018) *Journal of Advanced Research in Dynamical and Control Systems*, 10(9 Special Issue), pp. 1312-1317
- 3 Barkhaya, N.M.M., **Halim, N.D.A.**, Yahaya, N., (2019) Development of 3DPH: HoloRead for Preschool Children's Learning, Proceedings of the 2018 IEEE 10th International Conference on Engineering Education, ICEED 2018 8626977, pp. 246-250

#### 2017

- 1 Kiat, L. B., Ali, M. B., **Halim, N. D. A.**, Ibrahim, H. B., (2017). Augmented Reality, Virtual Learning Environment and Mobile Learning in Education: A Comparison, 2016 IEEE Conference on e-Learning, e-Management and e-Services, IC3e 2016, 8009034 pp. 23-28
- 2 Muhamad, S., **Halim, N. D. A.**, Surif, J., Harun, J., Omar, S.S, (2017), Integrating authentic learning practice to develop problem solving ompetency in learning electrolysis, *Advanced Science Letters*, Vols 23(9) pp. 8325-8329
- 3 Omar, S. S., Harun, J. S.J., **Halim, N.D.A.**, Muhamad, S, (2017). Analysis of students' conception on neutralisation: A qualitative study, *Advanced Science Letters*, Vols 23(9) pp. 8164-8169
- 4 Muhamad, S., **Halim, N. D. A.**, Surif, J., Harun, J., Omar, S.S, (2017). Integrating authentic learning practice to develop problem solving ompetency in learning electrolysis, *Advanced Science Letters*, Vols 23(9) pp. 8325-8329

#### 2016

- 1 Barkhaya, N. M.M., **Halim, N. D. A.**, (2017) A review of application of 3D hologram in education: A metaanalysis, 2016 IEEE 8<sup>th</sup> International Conference on Engineering Education: Enhancing Engineering Education through Academia-Industry Collaboration, ICEED 2016, 7856083 (2017), pp. 257-260

#### 2015

- 1 **Halim, N. D. A.**, Han, O. B., Abdullah, Z., Yusup, J., (2015).The development of mathematics courseware for learning line and angle, AIP Conference Proceedings 1660, 050021
- 2 Abdullah Z., Haruzuan, M. N., Shukor, N. A., **Halim, N. D. A.**,(2015). Enriching STEM curriculums with integration of MIT BLOSSOMS and Higher Order Thinking Skills (HOTS), ICEED 2014 -2014 IEEE 6<sup>th</sup> Conference on Engineering Education, 7194698 pp. 111-116

#### 2014

- 1 Eh Phon, D.N., Ali, M.B., **Halim, N.D.A.**, (2014).Collaborative augmented reality in education: A review, Proceedings - 2014 International Conference on Teaching and Learning in Computing and Engineering, LATICE 2014 6821833, (2014), pp. 78-83
- 2 Rahman, M.H.A., Yahaya, N., **Halim, N.D.A.**, (2014).Virtual world for collaborative learning: A review, Proceedings - 2014 International Conference on Teaching and Learning in Computing and Engineering, LATICE 2014 6821828 (2014), pp. 52-57
- 3 Han, O.B., **Halim, N.D.A.**, Abdullah, Z., Shariffuddin, R.S.B., (2013). Application Of Madeline Hunter Model In Mathematics Learning Courseware, Proceedings - 2013 International Conference on Informatics and Creative Multimedia, ICICM 2013 6702786 (2013) pp. 76-80

## SCOPUS ARTICLE/JOURNAL

### 2020

1. Ayob, N. F. S., **Abd Halim, N. D.**, Zulkifli, N. N., Zaid, N. M., & Mokhtar, M. (2020). Overview Of Blended Learning: The Effect Of Station Rotation Model On Students'achievement. *Journal of Critical Reviews*, 7(6),
2. Ayob, N. F. S., **Halim, N. D. A.**, Zulkifli, N. N., Mohd Zaid, N. , Mokhtar, M.,. (2020). Overview Of Blended Learning: The Effect Of Station Rotation Model On Students, *Journal of Critical Reviews* 7(6), 320-326
3. Jamal, N. , Ibrahim, N. H., **Halim, N. D. A.**, Alias, M. K. (2020). A Preliminary Study On The Level Of Creativity Among Chemistry Students In District Of Melaka Tengah, *Journal of Critical Reviews* 7(16), 752-761
4. Jamal, S.N., Ibrahim, N.H., Abdul Halim, N.D., Surif, J., Osman, S. (2020), Problem-based learning on creativity domain in problem solving for secondary school: A systematic literature review analysis, *European Journal of Molecular and Clinical Medicine*, 7 (6), pp. 530-541.

### 2019

1. Saidin, N. F., **Halim, N. D. A.**, & Yahaya, N. (2019). Framework for Developing a Mobile Augmented Reality for Learning Chemical Bonds. *International Journal of Interactive Mobile Technologies (IJIM)*, 13(07), 54-68.
2. Harikrishnan, H., **Halim, N. D. A.**, Harun, J., & Arjunan, S. (2019). Exploring the Digital Game-Based Elements in Mathematics Education: A Meta-Analysis Review. *Universal Journal of Educational Research*, 7(9A), 106-116.
3. Harikrishnan, H., **Halim, N. D. A.**, Harun, J., Mahalingam, G. R., & Arjunan, S.(2019) Technical and Implementation Barriers to Adapt Digital Game-Based Learning in Remedial Education: A Needs Analysis. *International Journal of Recent Technology and Engineering (IJRTE)*, 8, Issue- 1C2, 94-98
4. Hamzah, N., **Halim, N. D. A.**, Hassan, M. H., & Ariffin, A. (2019). Android Application for Children to Learn Basic Solat. *International Journal of Interactive Mobile Technologies (IJIM)*, 13(07), 69-79.
5. Rahman, M. H. A., Phon, D. N. E., Utama, N. I., Yahaya, N., **Halim, N. D. A.**, & Kasim, S. (2019). Sense of Presence and Learning Satisfaction among Students of Different Age Groups in a 3-D Virtual World. *International Journal on Advanced Science, Engineering and Information Technology*, 9(2), 711-716.

### 2017

1. **Halim, N. D. A.**, Bakar, E. E. A., Mokhtar, M., Suhairom, N. B., Jumaat, N. F., (2017), The effects of cooperative learning activities in blossoms lesson towards students' achievement in learning chemistry, *Man in India*, Vols 97(19) pp. 323-329
2. **Halim, N. D. A.**, Jusoh, A., Ibrahim, N. H., Shukr, N. A., Mokhtar, M, (2017), Students' perception on teaching AIDS with different styles: Visual, auditory and kinaesthetic, *Man in India*, Vols 97 (17) pp.53-62
3. Kiat, L. B., **Halim, N. D. A.**, Ali, M. B., Ibrahim, H. B., (2017), Issues and future trends in teaching and learning physical education: Preliminary study, *Man in India*, Vols 97(13) (pp. 317-329
4. Mutalib, M. A., **Abd Halim, N. D.**, Yahaya, N., Ibrahim, N. H., (2017) Designing meaningful interaction in facebook, *Man in India*, Vols 97(13)), pp. 331-342
5. Omar, S. S., **Halim, N. D. A.**, Surif, J., Harun, J., (2017), Students mastery of scientific inquiry skills: A preliminary study, *Man in India*, 97(12) pp.169-175
6. Muhamad, S., **Halim, N. D. A.**, Surif, J., Harun, J., Omar, S.S., (2017). Scientific problem solving competency of real life task in learning electrolysis, *Man in India*, Vols 97(13) pp. 275-283
7. Abidin, N.L.Z., Abdullah, A. H., **Abd Halim, N. D.**, Surif, J., Zaid, N. M, (2017). Thinking blocks: Solving fraction problems involving higher order thinking skills, *Man in India*, Vols 97 (17) pp. 121-132
8. Omar, S.S, Harun, J., **Halim, N.D.A.**, Surif, J., Muhamad, S, (2017). Investing the level of scientific creativity of science students, *Advanced Science Letters*, Vols 23(9) pp.8247-8250
9. Jumaat, N. F., Tasir, Z., **Halim, N. D. A.**, Ashari, Z. M., (2017). Project-based learning from constructivism point of view, *Advanced Science Letters*, Vols 23(8) pp. 7904-7906
10. Suhairom, N., Mokhtar, M., **Halim, N. D.**, Ibrahim, N. H., Tajudin, H. A., (2017). Needs assessment for scarletcare: A framework of social capital development for effective breastfeeding peer support networking program, *Man in India*, 97(19) pp,75-89

11. Kaus, M. A., Ali, M. B., **Halim, N. D. A.**, Samah, N. A., Ismail, A. K., (2017). The roles of parent in their children's physics problem-solving ability, *Advanced Science Letters*, Vols 23(8) pp.7517-7520
12. Abdullah, N., Surif, J., Ibrahim, N. H., Talib, C. A., Ismail, N., **Abd Halim, N. D.** (2017). Secondary school students' alternative frameworks on the concept of condensation at the submicroscopic level, *Man in India*, 97(12) pp. 363-373
13. Ali, D. F, Omar, M., Mokhtra, M., Abdullah, A. H., **Halim, N. D. A.**, (2017). A review on augmented reality application in engineering drawing classrooms, *Man in India* 97(19) pp, 195-204
14. Ali, D.F., Omar, M., Mokhtar, M., Shukor, N. A. Abdullah, Z, **Abd Halim, N. D.**, (2017). Enhancing students' mental rotation skills in engineering drawing by using virtual learning environment, *Man in India*, Vols 97 (17) pp. 161-170
15. **Halim, N. D. A.**, Bakar, E. E. A., Mokhtar, M., Suhairom, N. B., Jumaat, N. F., (2017). *The Effects Of Cooperative Learning Activities In Blossoms Lesson Towards Students' Achievement In Learning Chemistry*, *Man In India*, Vols 97(19) Pp. 323-329
16. **Halim, N. D. A.** Jusoh, A., Ibrahim, N. H., Shukr, N. A., Mokhtar, M, (2017). Students' perception on teaching AIDS with different styles: Visual, auditory and kinaesthetic, *Man in India*, Vols 97 (17) pp.53-62
17. Muhamad, S., **Halim, N. D. A.**, Surif, J., Harun, J., Omar, S.S, (2017). Integrating authentic learning practice to develop problem solving competency in learning electrolysis, *Advanced Science Letters*, Vols 23(9) pp. 8325-8329

#### 2015

1. Saidin, N.F., **Halim, N.D.A.**, Yahaya, N., (2015). A review of research on augmented reality in education: Advantages and applications, *International Education Studies*, Vols (13) pp. 1-8
2. Rahman, M.H.A., Yahaya, N., **Halim, N.D.A.**, (2015). Place, social and co-presence: Do they differ based on students' gaming experiences?, *Advanced Science Letters*, Vols 21(7) pp. 2230-2234
3. Phon, D. N. E., Ali, M. B., **Halim, N. D. A.**, (2015). Learning with agmented reality: Effects towards students with different spatial abilities, *Advanced Science Letters*, Vols 21(7) pp. 2200-2204

#### NON INDEXED JOURNAL

#### 2020

1. Rozali, N. A., **Abd Halim, N. D.**, (2020). Effect of Inquiry Based Learning with Video Integration towards Students' Achievement in Learning Mathematics. *Innovative Teaching and Learning Journal*, 3 (2), 42–60.
2. Ayob, N. F. S., **Abd Halim, N. D.**, Zulkifli, N. N., (2020). Effect of Blended Learning using the Station Rotation Model towards Students' Achievement in Learning Chemistry. *Innovative Teaching and Learning Journal*, 4 (1), 29-40.

#### 2019

1. **Halim, N. D. A.**, Bakar, E. E. A., & Alhassora, N. S. A. (2019). The Effect of Cooperative Learning Activity in Blossoms Lesson towards Students' Critical Thinking in Learning Chemistry. *Innovative Teaching and Learning Journal (ITLJ)*, 3(1), 1-10.
2. Sukhairil. S., & **Halim, N. D. A.** (2019). Penggunaan Muzik Latar Dalam Bilik Darjah. *Jurnal Pendidikan Universiti Teknologi Malaysia, Edisi Khas 1*. pp 5-16.
3. Yusof. K & **Halim, N. D. A.** (2019). Penggunaan Aplikasi Web 2.0 dan Pelaksanaan Model "Flipped Classroom" Dalam Aktiviti Pengajaran dan Pembelajaran. *Jurnal Pendidikan Universiti Teknologi Malaysia, Edisi Khas 1*. pp 17-36

#### 2018

1. Barkhaya, N.M.M., **Halim, N.D.A.**, Yahaya, N. (2018). Issues and Future Trends in Preschool Children's Learning: A Preliminary Study, *Advanced Science Letters* 24 (1) pp 178-180
2. Siti Salbiah Omar, Jamalludin Harun, **Noor Dayana Abd Halim**, Johari Surif, (2018). Asking Questions About Scientific Problem: An Analysis of Cognitive Level of Question Among Science Students; *Advanced Science Letters*, Vol 24 (6) pp 4273-4275

#### 2017

1. Van Ngoc Sang, Mohamad bilal Ali, **Noor Dayana, Abd Halim** (2017), Exploring The Cham Script To Develop The Transliteration Application For Cham Latin To Cham Script, *Sains Humanika*, Vol 9, pp. 49-55.
2. Suraiya Mohamad, Jamalludin Harun, Johari Surif, **Noor Dayana Abd Halim**, Siti Salbiah Omar, Muhammad Umar Khan, Process And Potential Factors To Develop Problem Solving Competency In Learning Electrolysis, *Sains Humanika*, Vol 9, pp. 77-81
3. Abdul Halim Abdullah, Mahani Mokhtar, **Noor Dayana Abd Halim**, Dayana Farzeeha Ali, Lokman Mohd Tahir, Umar Haiyat Abdul Kohar, (2017) Mathematics Teachers' Level of Knowledge and

Practice on the Implementation of Higher-Order Thinking Skills (HOTS), *Eurasia Journal of Mathematics, Science & Technology Education*, Vol 3, Issues 1.

#### 2016

1. Norhasniza Ibrahim, Johari Surif, Norashikin Ibrahim, Marlina Ali & **Noor Dayana Abdul Halim**, (2016). Kesiapan Pelajar Mengaplikasikan Kemahiran Berfikir Aras Tinggi (Kbat) Dalam Subjek Sains Tingkatan 1. *Malaysian Journal of Higher Order Thinking Skills In Education (MJHOTS)*. Vol 1. pp 42-75.
2. Van Ngoc San, Mohammad Bin Bilal Ali, **Noor Dayana Abdul Halim**, (2016). Building Cham-Vietnamese Electronic Dictionary, *Jurnal Pendidikan Nusantara*, pp 215-223
3. Siti Salbiah Omar, **Noor Dayana Abd Halim**, Johari Surif, Jamalludin Harun (2015). Kreativiti Dalam Pembelajaran Dan Pengajaran Sains, *Buletin Persatuan Pendidikan Sains Dan Matematik Johor*, Jilid 25: Bil. 1, pp 70-82.
4. Saidatul Akma Awang Ali, Abdul halim Abdullah, **Noor Dayana Abd Halim**, Dayana Farzeeha Ali (2016) Tahap Pengetahuan Dan Amalan Guru Matematik Sekolah Menengah Terhadap Pelaksanaan Kemahiran Berfikir Aras Tinggi (KBAT), *Malaysian Journal Of Higher Order Thinking Skills In Education (MJHOTS)*, Vol 1, Page. 42-75

#### 2015

1. **Noor Dayana Abd Halim**, Mohamad Bilal Ali, Norafandy Yahaya (2015). Personalized Design For Learning Chemical Bond For Students With Different Cognitive Styles. *Jurnal Persatuan Pendidikan Teknik Dan Vokasional Malaysia*. Vol 4, Page 27-37.

#### 2013

1. Mohamad Bilal Ali, **Noor Dayana Abd Halim**, Nurbiha A. Shukor, (2013). The Development of Active Learning Website for Learning Science, *International Journal of Machine Learning and Computing*, Vol. 3, No. 3.
2. Ong Boon Han, **Noor Dayana Binti Abd Halim**, Rio Surmani Binti Shariffuddin, Zaleha Binti Abdullah, (2013). Computer Based Courseware in Learning Mathematics: Potentials and Constrains, *Procedia-Social and Behavioral Sciences*, Volume 103, Pages 238-244,

#### 2012

1. **Noor Dayana Abd Halim**, Mohamad Bilal Ali, Noraffandy Yahaya. (2012) Development of Chemical Bond Website for Field Dependent and Field Independent Learners. *International Journal of e-Education, e-Business, e-Management and e-Learning*, 2(1)

#### 2011

1. **Noor Dayana Abd Halim**, Mohamad Bilal Ali, Juhazren Junaidi. (2011). Reka bentuk Laman Web berasaskan Pendekatan Inkuiri Penemuan bagi Tajuk Asid dan Bes Tingkatan Empat, *Jurnal Teknologi Pendidikan Malaysia*, 1(1).

#### PROCEEDINGS/CONFERENCE (REFEREED PROCEEDING)

##### 2016

1. Kiat, L. B., **Halim, N. D. A.**, (2016). Students' Perceptions Toward Information, Navigation, and Interface Design of Volleyball Learning Courseware, Proceedings Of The 2nd International Colloquium On Sports Science, Exercise, Engineering And Technology 2015 (ICOSSEET 2015), ISBN 978-981-287-690-4, pp. 281-289

##### 2010

1. **Halim, N.D.A.**, Ali, M.B., Junaidi, J., Yahaya, N., (2010) Learning acids and bases through inquiry based website, ICOS 2010 - 2010 IEEE Conference on Open Systems 5720063, pp. 51-56

#### NON INDEXED PROCEEDINGS

##### 2020

1. Siti Najihah Jamal, Nor Hasniza Ibrahim and **Noor Dayana Abdul Halim**. (2020) Development Of Module Creative PBL In STEM Education To Enhance Creativity Domain. Proceeding Of New Academia Learning Innovation. PB/2020/07469
2. Zaidatun Tasir, Azlina Mohd Kosnin, Ahmad Johari Sihes, Noraffandy Yahaya, Fatimah Puteh, **Noor Dayana Abd Halim**, Norasykin Mohd Zaid, Kew Si Na, Hema Rosheny Mustafa, Aminudin Hehsan, Adibah Abdul Latif, Rohaya Talib, Halijah Ibrahim and Nurhasmiza Abu Hasan Sazalli. (2020) Guidelines For Online Test And Take Home Examination. 9789672401117
3. Marlina Binti Ali, Corrienna Binti Abdul Talib, Norulhuda Binti Ismail, Nor Hasniza Binti Ibrahim, **Noor Dayana Binti Abd Halim**. (2020). Pembelajaran Aktif Secara Dalam Talian Menggunakan Whatsapp. ISBN978-967-2171-31-7

4. Subahshinee Somasundaram, Nurul Nadwa Zulkifli, **Noor Dayana Binti Abd Halim**. (2020). Game Based Learning Applications : Effect Towards Remedial Students In Learning Basic. 978-967-2401-40-7
5. Siti Najihah Binti Jamal, **Noor Dayana Binti Abd Halim**, Nor Hasniza Binti Ibrahim (2020) A Conceptual Framework For Enhancing Problem-Based Learning On Creativity Domain 978-967-2401-40-7

#### 2019

1. **Noor Dayana Abdul Halim**, Najua Syuhada Ahmad Alhassora, Anna Haziqah, Masarrah Abdul Mutalib, Nina Nurshafina Johari, Wan Nur Tasnim Wan Hussin, Intan Raimi Nazurah Mohd Yunus & Dancy Dannycius. (2019). Journey To Galaxy. Modul Kembara STEM-JPNJ. pp. 1-4
2. Syamilah Saliman & **Noor Dayana Abd Halim**. (2019). Tahap Penerimaan Guru Prasekolah Terhadap Aplikasi Teknologi Realiti Berperantara. Isu Isu Pendidikan Kotemporari. School of Education.pp.406-41
3. Hemanathan Hari Krishnan, **Noor Dayana Abd Halim** & Jamalludin Harun. (2019). Constructivist Digital Game-Based Learning Courseware for Slow Learners with Numeracy Difficulties. 6th International Conference on Science & Social Research.
4. Nurul Maziah Mohd Barkhaya, **Noor Dayana Abd Halim**, Noraffandy Yahaya, HoloRead: Pyramid Hologram Application for Preschool Children's Learning. Proceeding Of New Academia Learning Innovation (NALI 2019). PP 166-169. ISBN 978-967-2171-94-2
5. Fatin Aliah Phang Binti Abdullah, Nurbiha Binti A. Shukor, Jaysuman Bin Puspanathan, **Noor Dayana Binti Abd Halim**, Zulkifli Bin Hamisan @ Khair, Sarina Binti Sulaiman, Aminuddin Bin Ruskam, Juhazren Bin Junaidi, Ana Haziqah Binti A Rashid, & Mohd Fauzi Bin Bachok. (2019). Edu-Muallaf: Platform Atas Talian Pembelajaran Asas Fardhu Ain Bagi Saudara Kita Di Johor. International Conference On Muallaf (Icom).pp.37-49

#### 2018

1. Nur Fadhilah Zakari, **Noor Dayana Abd Halim**. Persepsi Pelajar Terhadap Pembelajaran Berasaskan Permainan Melalui Aplikasi Frogplay Dalam Topik Kata Ganda, Isu-Isu Pendidikan Kontemporari, pp. 982-988.
2. Mohd Firdaus Saad, **Noor Dayana Abd Halim**. Kesan Pengintegrasian Teknologi Web 2.0 Terhadap Penerimaan Pelajar Sekolah Rendah, Isu-Isu Pendidikan Kontemporari pp. 1024-1034.
3. Ana Haziqah A Rashid, Settawut Janwan, Saharat Sangum, Mohd Firdaus Saad, Woon Tian Wen, Zabidi Sukuan, **Noor Dayana Abd Halim**, Norah Md Noor The Effectiveness of Using Mobile Application in Teaching English Preposition, Proceedings Of International Research Colloquium In Educational Technology, ISBN 978-967-2171-15-7 pp. 6-8
4. Najua Syuhada Ahmad Alhassora, Kanokporn Pimpa, Nattanon Saipimpong, Nuraqilah Nadjwa Miskam, Fatin Nursahira Saiful Azni, Intan Farhanan Che Mansor, Nurfadhilah Zakari, **Noor Dayana Abd Halim**, Using Innovative Learning Environment (ILE) to Enhance Students' Performance in "Ayat Dasar", Proceedings Of International Research Colloquium In Educational Technology, ISBN 978-967-2171-15-7 pp. 9-10
5. Nurul Nadwa Zulkifli, Kaewhip Wattanachot, Wasin Chanwichit, Nuraqilah Nadjwa Miskam, Aimi Asila Hussin, Syamilah Saliman, **Noor Dayana Abd Halim**, Norah Md Noor, Learning Idioms Using Mobile Application: Idiom Kingdom, ", Proceedings Of International Research Colloquium In Educational Technology, ISBN 978-967-2171-15-7 pp. 20-22
6. Mahirunisa Marsono, Nooriashah Bujang, Nor Hasniza Ibrahim, **Noor Dayana Abd Halim**, Modul Pengajaran & Pembelajaran: A City of Geometry, Prosiding Inovasi dalam Pembelajaran dan Pengajaran (Jilid 1), ISBN 978-967-2171-13-3, pp 106-114
7. Bavani Nair A/P Appuni, Hasnah bint Hasan, Nor Hasniza binti Ibrahim, **Noor Dayana Abdul Halim**, Kotak Ajaib untuk Pengajaran dan Pembelajaran Pelajar LINUS, Prosiding Inovasi dalam Pembelajaran dan Pengajaran (Jilid 1), ISBN 978-967-2171-13-3, pp 115-128.
8. On Han Joo, Mau Han Nee, **Noor Dayana Abd Halim**, Nor Hasniza Ibrahim, Bahan Bantu Mengajar "KIT FOF" (Friend's Of Female) Untuk Mata Pelajaran Pendidikan Kesihatan Sekolah Rendah, Prosiding Inovasi dalam Pembelajaran dan Pengajaran (Jilid 1), ISBN 978-967-2171-13-3, pp 129-136.
9. Nur Faezah Mat Nen, Hanin Fathan Nurfina Istiqamah, **Noor Dayana Abd Halim**, Nor Hasniza Ibrahim, Kit Mekanisme Pewarisan Sifat: Papan Genetik, Prosiding Inovasi dalam Pembelajaran dan Pengajaran (Jilid 1), ISBN 978-967-2171-13-3, pp 137-147.
10. Siti Zubaidah Md Saat, Nur Aqilah Rozali, Nor Hasniza Ibrahim, **Noor Dayana Abd Halim**, Kit Pembelajaran Trigo Trick untuk Topik Trigonometri, Prosiding Inovasi dalam Pembelajaran dan Pengajaran (Jilid 1), ISBN 978-967-2171-13-3, pp 148-162.

11. Nor Asyikin Sazali, Nurul Asyikin Ab Rahman, Nurul Hafizah Shahrudin, Siti Aishah Rahim, **Noor Dayana Abd Halim**, Nor Hasniza Ibrahim, Vakit Board: Alat Bantu Mengajar Secara Kinesthetics (Pergerakan), Audio (Pendengaran), Visual (Penglihatan) dan Tactile (Sentuhan), Prosiding Inovasi dalam Pembelajaran dan Pengajaran (Jilid 1), ISBN 978-967-2171-13-3, pp 163-171
12. Nurelysa Shahdan, Tan Si Young, **Noor Dayana Abd Halim**, Nor Hasniza Ibrahim The Effectiveness of Problem-Based Learning (PBL) Teaching Approach in Teaching WH- concept with Wh- Learning Kit and its Module, Prosiding Inovasi dalam Pembelajaran dan Pengajaran (Jilid 1), ISBN 978-967-2171-13-3, pp 172-185
13. Mohamad Kamis Baharuddin, Nadiyah Nadzirah Rashid, Tu Chien Hui and Zaine Zulkifli, Nor Hasniza Ibrahim, **Noor Dayana Abd Halim**, Psychology Virtual Book For Learning Psychology, Prosiding Inovasi dalam Pembelajaran dan Pengajaran (Jilid 1), ISBN 978-967-2171-13-3, pp 186-194
14. Volley Ball World: Mobile Application to Learn Volleyball Lee Boon Kiat, **Noor Dayana Abd Halim**, Mohamad Bilal Ali, Halijah Binti Ibrahim, Proceeding Of New Academia Learning Innovation (NALI 2018) Exhibition & Competition ISBN 978-967-2171-31-7, pp 86-88

## 2017

1. Rasdi Hamid, **Noor Dayana Abd Halim**. Tahap Pengetahuan, Tahap Penggunaan Serta Tahap Kemahiran Pelajar Daerah Johor Bahru Terhadap Persekitaran Pembelajaran Maya Frog, Isu-Isu Pendidikan Kontemporari (FROG VLE), pp. 457-466.
2. Nor Idayu Rosli, Nur Hanan Afandi, Siti Nor Syuhaidah Mohamad Sufandi, Nor Hasniza Ibrahim, **Noor Dayana Abdul Halim**. Trigowheel Model For Trogonometry Teaching, Prosiding Kajian Tindakan Dalam Pendidikan Stem (Sains, Teknologi, Kejuruteraan Dan Matematik) Vols 1, pp. 190-197.
3. Suriana Ngatiman, Abdul Hisham Udin, Yuli Yusop, Nor Hasniza Ibrahim, **Noor Dayana Abd Halim**. Kit Frog And Owl Head Bagi Tajuk Ketangenan, Lukisan Kejuruteraan Tingkatan 4, Prosiding Kajian Tindakan Dalam Pendidikan Stem, Vols 1, Pp. 152-162.
4. Nur Nazurah Mohd Noramin Chang, Jagjit Kaur A/P Gian Singh, Nor Farahin Roslin, Nor Hasniza Ibrahim, **Noor Dayana Abd Halim**. Pembangunan Model Oh Otak, Module Pengajaran Dan Kit Mini Otak Sebagai Alat Bantuan Pengajaran, Prosiding Kajian Tindakan Dalam Pendidikan Stem, Vols 1, pp. 197-202.
5. Emir Nashriq, Ting Ynn Yann, Sharmillah A/P Mohan, Nor Hasniza Ibrahim, **Noor Dayana Abd Halim**. Penggunaan Modul Dy-Eco Berasaskan Stem Dengan Strategi Pembelajaran Berasaskan Projek Dalam Meningkatkan Kemahiran Berfikir Aras Tinggi Di Kalangan Pelajar, Prosiding Kajian Tindakan Dalam Pendidikan Stem, Vols 1, pp, 240-249.
6. Tashmeerra A/P S Mehanathan, Alifa Aliya Ngadiman, Maithily A/P Manohar, Nor Hasniza Ibrahim, **Noor Dayana Abd Halim**. The Ticker Flow Kit: Teaching and Learning Module For Science And Biology Subject Topic Blood Circulation, Prosiding Kajian Tindakan Dalam Pendidikan Stem, Vols 1, pp. 203-212.
7. Nur Amalina Mohd Reffin, Nur Salsabila Ismail, Syafiqah Md Yusop, Nor Hasniza Ibrahim, **Noor Dayana Abd Halim**. Proses Pencernaan Mudah (Easy Digest Process), Prosiding Kajian Tindakan Dalam Pendidikan Stem, Vols 1, pp. 213-222.
8. Nurul Nadhirah Mohamed Yusoff, Nur Syahirah Othman, Siti Au=isyah Ahmad Tarmizi, Nor Hasniza Ibrahim, **Noor Dayana Abd Halim**. Iholoshape Kit, Prosiding Kajian Tindakan Dalam Pendidikan Stem (Sains, Teknologi, Kejuruteraan Dan Matematik), Vols 1, pp. 163-175.
9. Hasbul Az Muhamad, Siti Nurul Ain Rahimin, Nor Hasniza Ibrahim, **Noor Dayana Abd Halim**. Modul Pengajaran Dan Pembelajaran Learning Set With Style Berasaskan Modul Pembelajaran Stem Bagi Topik Pengenalan Set Tingkatan 1, Prosiding Kajian Tindakan Dalam Pendidikan Stem, Vols 1, pp. 257-266.
10. Nurul Hilda Adila Jamian, Nurul Afiqah Awang, Hemarani A/P Munisamy, Nor Hasniza Ibrahim, **Noor Dayana Abd Halim**. Pembangunan Modul Easy Circuit Tool Kit Beasaskan Stem Melalui Strategi Pembelajaran Berasaskan Masalah, Prosiding Kajian Tindakan Dalam Pendidikan Stem, Vols 1, Pp. 249-256.
11. Yip Lai Foong, Rohaidah Ikramullah, Nazratul Saadah Baharuddin, Nor Hasniza Ibrahim, **Noor Dayana Abd Halim**. Pengajaran Dan Pembelajaran Ikatan Kimia Berasaskan Model Instruksional 5e Dengan Menggunakan Kit Ikatan Kimia, Prosiding Kajian Tindakan Dalam Pendidikan Stem, Vols 1, pp. 176-189.

## 2016

1. **Noor Dayana Abd Halim**, Nor Farhah Saidin, Noraffandy Yahaya, Masarrah Abdul Mutalib, C-Bond: Mobile Augmented Reality For Learning Chemical Bond, Proceedings Of The International University Carnival On E-Learning (IUCEL) 2016.

2. **Noor Dayana Abd Halim**, Amir Jusoh, Mahani Mokhtar, Abdul Halim Abdullah, Effectiveness Of Using Bizzapss In Enhancing Students' Achievement With Different Learning Styles, 6th Regional Conference On Engineering Education 2016 (RCEE 2016).
3. Mohamad Bilal Ali, **Noor Dayana Abd Halim**, Danakorn Nincarean Eh Phon, Mohd Hishamuddin Abdul Rahman, AR-Science Magic Book Learning System, Proceedings Of The International University Carnival On E-Learning (IUCEL) 2016, 20-21 September 2016.
4. Boon Kiat Lee, Noor Dayana Abd Halim, Students' Perceptions Toward Information, Navigation, and Interface Design of Volleyball Learning Courseware, Proceedings of the 2nd International Colloquium on Sports Science, Exercise, Engineering and Technology 2015 (ICoSSEET 2015), Springer Singapore, Pages 281-289
5. Noraffandy Yahaya, **Noor Dayana Abd Halim**, Mohd Hishamuddin Abdul Rahman & Danakorn Nincarean Eh Phon, VIEW – A New Way Of Online Learning, Proceedings Of The International University Carnival On E-Learning (IUCEL) 2016.
6. Masarrah Abdul Mutalib, **Noor Dayana Abd Halim**, Noraffandy Yahaya, Model of Interaction In Online Learning: A Review, ICEHOTS 2016, 11-13 April 2016, Universiti Teknologi Malaysia.
7. Masarrah Abdul Mutalib, **Noor Dayana Abd Halim** and Noraffandy Yahaya, Meta-Analysis on Interaction In Online Learning, RCEE Conf. Proc. 1 (2016), Universiti Teknologi Malaysia, 9-10 August 2016.
8. Nurul Nadwa Zulkifli, **Noor Dayana Abd Halim**, Noraffandy Yahya, Measuring Critical Thinking In Online Discussion: Analysis Model, RCEE Conf. Proc. 1 (2016), Universiti Teknologi Malaysia, 9-10 August 2016.
9. Siti Salbiah Binti Omar, **Noor Dayana Binti Abd Halim**, Johari Bin Surif , Jamalludin Bin Harun , Suraiya Binti Muhamad, A Pilot Study On Chemistry Creativity Test For Malaysian Science Students, Proceedings Of The International Conference On Education And Higher Order Thinking Skills (Ice-Hots2016), 11-13 April 2016.
10. Nor Farhah Saidin, **Noor Dayana Abd Halim**, Noraffandy Yahaya, Designing Mobile Augmented Reality (MAR) for Learning Chemical Bonds, Proceedings of the 2nd International Colloquium of Art and Design Education Research (i-CADER 2015), Springer Singapore, Pages 367-377
11. Nurul Maziah, Mohd Barkhaya, **Noor Dayana Abd Halim**, A review of application of 3D hologram in education: A meta-analysis, Engineering Education (ICEED), 2016 IEEE 8th International Conference on, Pages 257-260,
12. Nurul Maziah, Mohd Barkhaya, **Noor Dayana Abd Halim**, Learning through Play Via Visualization Tools to Enhance Student's Cognitive Abilities Among Preschool Children, 3rd IEPS 2016. 18-19 December 2016. FBME, Universiti Teknologi Malaysia, Skudai Johor.
13. Fatimah Zahra Abdul Mutalib, Mahani Mokhtar, **Noor Dayana Abd Halim**, Dayana Farzeeha Ali, Abdul Rahim Hamdan, Implementation of Group Endeavours in Service Learning among Teachers in Singapore, RCEE Conf. Proc. 1 (2016), Universiti Teknologi Malaysia, 9-10 August 2016.
14. Van Ngoc Sang, Mohamad Bin Bilal Ali, **Noor Dayana Abd Halim**. Exploring The Preferable Cham Script To Build The Conversion Application For Cham Latin To Cham Script, Igcesh2016 15-17 August 2016, Skudai Johor.
15. Suraiya Muhamad, Jamalludin Harun, **Noor Dayana Abd Halim**, Johari Surif, Siti Salbiah Omar, Chemistry Authentic Learning: Problem Solving in Electrolysis, Proceedings Of The International University Carnival On E-Learning (IUCEL) 2016, 20-21 September 2016.
16. Mohd Hishamuddin Abdul Rahman, Noraffandy Yahaya, **Noor Dayana binti Abd Halim**, Pembangunan Dunia Maya 3-Dimensi View Sebagai Platform Pembelajaran Kooperatif, Prosiding Seminar Majlis Dekan-Dekan Pendidikan Universiti Awam 2016. 13-15 November 2016.
17. Noor Azean Atan, Azizah Yusof, Norhidayah Abdul Hassan, **Noor Dayana Abd Halim**, Che Ros Bin Ismail, Dayang Norhayati Abang Jawawi, Utm Massive Open Online Courses Development Process: A Guide In Designing, ICEHOTS 2016, 11-13 April 2016, page 19-28, Universiti Teknologi Malaysia, Skudai Johor.
18. Suraiya Muhamad, Jamalludin Harun, Johari Surif, **Noor Dayana Abdul Halim**, Siti Salbiah Omar, Muhammad Umar Khan, Problem Solving Competency For Open-Ended Problem In Learning Electrolysis: A Case Study Of Malaysian Secondary School Chemistry Students, IGCESH 2016, Universiti Teknologi Malaysia, Johor Bahru, Malaysia 15 -17 August 2016.
19. Suraiya Muhamad, Jamalludin Harun, Johari Surif, **Noor Dayana Abd Halim**, Authentic Chemistry Problem Solving Competency For Open-Ended Problems In Learning Electrolysis: Preliminary Study, ICEHOTS 2016, Universiti Teknologi Malaysia, 11-13 April 2016.
20. Siti Salbiah Omar, Jamalludin Harun, Johari Surif, **Noor Dayana Abd Halim**, A Study On Malaysian Science Students Conception Of Acids And Bases, IGCESH2016 Universiti Teknologi Malaysia, Johor Bahru, Malaysia 15 -17 August 2016.

21. Siti Salbiah Omar, Jamalludin Harun, Johari Surif, **Noor Dayana Abd Halim**, Suraiya Muhammad, A Conceptual Framework For Enhancing Scientific Creativity Among Students, 4th International Conference On Global Business & Social Entrepreneurship, 3-4 September 2016.
22. Siti Salbiah Omar, Jamalludin Harun, Johari Surif, **Noor Dayana Abd Halim**, Suraiya Muhamad, A Pilot Study On Chemistry Achievement Test, Proceedings Of The 3rd International Conference On Global Business And Social Entrepreneurship (Legoland, Malaysia) 2016 (3RD ICOGBSE).
23. Juhazren Junaidi, Noor Azean Atan, Hasnah Mohamed, Mohd Nihra Haruzuan Mohamad Said, **Noor Dayana Abd Halim**, Norazrena Abu Samah, Implementation Of Aunthetic Learning Strategy For Web Based Development Course Through MOOCs, Proceedings Of The International University Carnival On E-Learning (IUCEL) 2016, 20-21 September 2016

## 2015

1. **Noor Dayana Abd Halim**, Nurfatin Atikah Kamarudin, ChemMol4: Learning Concept of Mole via Needham's Five Phases to Overcome Students' Alternative Concepts. 1<sup>st</sup> International Conference On Educational Studies (ICES-2015). Johor, 3-4 June, 2015.
2. Nor Farhah Saidin, **Noor Dayana Abd Halim**, Noraffandy Yahaya, Designing Mobile Augmented Reality (MAR) for Learning Chemical Bond. International Colloquium Of Art And Design Education Research 2015. Langkawi. April 2015.
3. Nurul Nadwa Zulkifli, **Noor Dayana Abd Halim**, Review of Learning Activities in Facebook to Inculcate Meaningful Learning. International Colloquium Of Art And Design Education Research 2015. Langkawi. April 2015.
4. Lee Boon Kiat, **Noor Dayana Abd Halim**, Halijah Binti Ibrahim, Issues and Future Trends in Teaching Physical Education: A Preliminary Study. International Conference on E-Learning, E-Management and E-Services (IEEE 2015), Melaka, 24-26 August 2015
5. Lee Boon Kiat, **Noor Dayana Abd Halim**, Halijah Binti Ibrahim, Mohamad Bilal Ali, Characteristic Of Mobile Device And Factors Of Develop Mobile Application In Education. International Education Postgraduate Seminar (IEPS) 2015. Johor, 20-21 December 2015.
6. Siti Salbiah Omar, **Noor Dayana Abd Halim**, Johari Surif, Jamalludin Harun, Kreativiti Dalam Pengajaran Dan Pembelajaran Sains. International Education Postgraduate Seminar (IEPS) 2015. Johor, 20-21 December 2015.
7. Nurul Nadwa Zulkifli, **Noor Dayana Abd Halim**, Noraffandy Yahaya, Peer Tutoring Teaching Practice in Online Learning Environment: A Review. International Education Postgraduate Seminar (IEPS) 2015. Johor, 20-21 December 2015
8. Siti Salbiah Omar, **Noor Dayana Abd Halim**, Nurhanisah Sarjit Abdullah, Johari Surif, Jamalludin Harun, Creativity in Science Education: Definition and Constraints. Proceedings Of The 3rd International Postgraduate Conference On Science And Mathematics 2015 (IPCSMA™ 15). UPSI, 10-11 October 2015.
9. Masarrah Abdul Mutalib, **Noor Dayana Abd Halim**, Noraffandy Yahaya, A Review on Use of Social Media in Teaching and Learning. International Education Postgraduate Seminar (IEPS) 2015. Johor, 20-21 December 2015.
10. Nazihatulhasanah Arbain, Nurbiha A. Shukor, **Noor Dayana Abd Halim**, Applying Self-Regulation Models in Online Learning. International Education Postgraduate Seminar (IEPS) 2015. Johor, 20-21 December 2015.
11. Suraiya Muhamad, Jamalludin Harun, Johari Surif, **Noor Dayana Abd Halim**, Muhammad Umar Khan, Conceptual Framework of Authentic Chemistry Problem-Solving Competency among School Students. International Education Postgraduate Seminar (IEPS) 2015. Johor, 20-21 December 2015.
12. Van Ngoc Sang, Mohamad Bin Bilal Ali, **Noor Dayana Abd Halim**, Building Cham – Vietnamese Electronic Dictionary. International Education Postgraduate Seminar (IEPS) 2015. Johor, 20-21 December 2015.
13. Noraffandy Yahaya, Mohd Hishamuddin Abdul Rahman, **Noor Dayana Abd Halim**, VIEW: A 3d Virtual Learning Environment For Introduction To Multimedia Subjects Using Cooperative Learning Approach. Innovative Practices in Higher Education Expo 2015 (I-PHEX 2015). Johor, 6-7 August 2015.
14. Mohd Hishamuddin Abdul Rahman, Noraffandy Yahaya, **Noor Dayana Abd Halim**, Place, Social and Co-Presence: Do They Differ Based on Students' Gaming Experiences?, Advanced Science Letters, American Scientific Publishers, Volume 21, Issues 7. Pages 2230-2234
15. Nor Hasniza Ibrahim, Abdul Halim Abdullah Johari Surif, **Noor Dayana, Abdul Halim**, Dayana Farzeeha AliAzkina Kosnin, Mahani Mokhtar. Creating Excellence Graduates through Strengthening Of Post-Graduate Workshops, Cee Book Series, Vol 23, Page 40
16. Dayana Farzeeha Ali, Muhammad Khair Noordin, Adnan Ahmad, Nurbiha A. Shukor, **Noor Dayana Abd Halim**, Abdul Halim Abdullah, Ahmad Nabil Md. Nasir, Marlissa Omar, Effect Of Virtual

Environment Courseware In Learning Engineering Drawing. Innovative Practices In Higher Education Expo 2015 (I-PHEX 2015). Johor, 6-7 August 2015.

17. Norasykin Mohd Zahid<sup>1</sup>, Nurbiha A, Dayana Farzeeha Ali, Mahani Mokhtar, **Noor Dayana Abd Halim**, Nor Hasniza Ibrahim, Marlina Ali, Uzailun Nafais Zainal Abidin, Problem Based Learning Through Mobile Application. Innovative Practices In Higher Education Expo 2015 (I-PHEX 2015). Johor, 6-7 August 2015.

#### 2014

1. **Noor Dayana Abd Halim**, Rajes A/L Subramaniam, Nurfatim Atikah Kamarudin, Laman Web Berasaskan Aras Taksonomi Bloom Bagi Matapelajaran Sains Tingkatan Dua, Konvensyen Antarabangsa Jiwa Pendidik 2014, Johor Bahru, 11-13 Ogos 2014
2. **Noor Dayana Abd Halim**, Ong Boon Han, Zaleha Abdullah, and Junaidah Yusup, The Development Of Mathematics Courseware For Learning Line And Angle. International Conference on Mathematics, Engineering and Industrial Applications 2014 (ICoMEIA 2014). Penang, 28-30.
3. Ong Boon Han, **Noor Dayana Abd Halim**, Zaleha Abdullah, Junaidah Yusup, The Development of Mathematics Courseware for Learning Line and Angle, International Conference on Mathematics, Engineering & Industrial Applications 2014 (ICoMEIA 2014), Pulau Pinang, 28-30 May 2014 (Scopus)
4. Nor Farhah Saidin, **Noor Dayana Abd Halim**, Noraffandy Yahaya, The Potential Of Augmented Reality Technology In Education: A Review Of Previous Research, IGCESGH 2014, UTM
5. Danakorn Nincarean Eh Phon, Mohamad Bilal Ali, **Noor Dayana Abd Halim**, Collaborative Augmented Reality in Education: A Review, 2014 International Conference on Teaching and Learning in Computing and Engineering (Lattice 2014), Kuching, Sarawak. 11-13 April 2014, (Scopus Listed)
6. Nor Farhah Saidin, **Noor Dayana Abdul Halim**, Noraffandy Yahaya, Mobile Augmented Reality: Enhance Visualization Skills in Learning Abstract Concept in Chemistry, 1st International Education Postgraduate Seminar (IEPS2014). Johor Bahru, 23- 24 November
7. Siti Salbiah Omar, **Noor Dayana Abdul Halim**, Johari Surif, Jamalludin Harun Fostering Problem Solving In Chemistry: The Importance, Difficulties And The Needs Of Scientific Creativity, 1st International Education Postgraduate Seminar (IEPS2014). Johor Bahru, 23- 24 November
8. Suraiya Muhamad, Jamalludin Harun, Johari Surif, **Noor Dayana Abd Halim**, Chemical Problem-Solving Competency Of Open-Ended Problems Aiming To Improve Higher Order Thinking Skills (HOTS): Authentic Practice, 1st International Education Postgraduate Seminar (IEPS2014). Johor Bahru, 23- 24 November
9. Zaleha Abdullah, Mohd Nihra Haruzuan, Nurbiha A Shukor, Noor Azean Atan, **Noor Dayana Abd Halim**, Enriching STEM curriculums with integration of MIT BLOSSOMS and Higher Order Thinking Skills (HOTS), Engineering Education (ICEED), 2014 IEEE 6th Conference on, Pages 111-116

#### 2013

1. **Noor Dayana Abd Halim**, Mohamad Bilal Ali, Noraffandy Yahaya, Mohd Nihra Haruzuan Mohamad Said, Mental Model in Learning Chemical Bonding: A Preliminary Study, Proceeding of 9th International Conference in Cognitive Science, Kuching Sarawak, 27-30 August 2013.
2. Ong Boon Han, **Noor Dayana Abd Halim**, Rio Sumarni Shariffudin, Zaleha Abdullah, Application of Madeline Hunter Model in Mathematics Learning Courseware, International Conference on Informatics and Creative Multimedia 2013 (ICICM 13), UTM, Kuala Lumpur, 3-6 September 2013.
3. Ong Boon Han, **Noor Dayana Abd Halim**, Rio Sumarni Shariffudin, Zaleha Abdullah. Computer Based Courseware in Learning Mathematics: Potentials and Constrains. International Educational Technology Conference (IETC 13). Kuala Lumpur, 13-15 May 2013.
4. Noraffandy Yahaya, Shufianah Puteri Yusof, **Noor Dayana Abd Halim**, Students' participation in social networking writing tasks, 5thWorld Conference on Educational Sciences, Rome Italy, 5-8 February 2013.
5. Mohd Hishamuddin Abdul Rahman, Noraffandy Yahaya, **Noor Dayana Abdul Halim**, Danakorn Nincarean Eh Phon, Open Wonderland: A Potential 3-D MUVE for Teaching and Learning, International Educational Technology Conference (IETC 13). Kuala Lumpur, 13-15 May 2013.
6. Danakorn Nincarean Eh Phon, Mohamad Bilal Ali, **Noor Dayana Abd Halim**, Mohd Hishamuddin Abdul Rahman, Mobile Augmented Reality: The Potential for Education, International Educational Technology Conference (IETC 13). Kuala Lumpur, 13-15 May 2013

#### 2012

1. **Noor Dayana Abd Halim**, Mohamad Bilal Ali, Noraffandy Yahaya. Development of Chemical Bond Website for Field Dependent and Field Independent Learners. Proceeding of 3rd International Conference on e-Education, e-Business, e-Management and E-Learning (IC4E 2012), Hong Kong, 5-7 January 2012.
2. **Noor Dayana Abd Halim**, Mohamad Bilal Ali, Noraffandy Yahaya, The Development of Chemical Bond Website; Emphasizing Three Chemical Representations. Proceeding of 6th International

Malaysian Educational Technology Convention 2012 (IMETC 2012), Concorde Inn KLIA, 29-31 October 2012.

#### 2011

1. **Noor Dayana Abd Halim**, Mohamad Bilal Ali, Noraffandy Yahaya, Noor Hidayah Che Lah. Personalized Learning Website Based on Cognitive Styles for Developing Mental Model in Chemistry: Some Background of Problems. Proceeding of 5th International Malaysian Educational Technology Convention 2011 (IMETC 2011), Kuantan Pahang, 16-19 October, 2011.

#### 2010

1. **Noor Dayana Abd Halim**, Mohamad Bilal Ali, Noraffandy Yahaya, Personalized Learning Environment: A New Trend in Online Learning. Proceeding of Education Postgraduate Research Seminar 2010 (Edupres '10), Faculty of Education, UTM, 27-28 October 2010.
2. **Noor Dayana Abd Halim**, Mohamad Bilal Ali, Noraffandy Yahaya. Personalized Learning Environment: Visualization Through Cognitive Style, Proceeding of National Postgraduate Seminar (NAPAS '10), Grand Blue Wave Hotel, Shah Alam, 6-7 July 2010.
3. Nurbiha A. Shukor, **Noor Dayana Abd Halim**, Norazila Othman, Ahmad Hj Khalid, Students' Perception on the Developed Generic Skills in Universiti Teknologi Malaysia, Proceeding of National Student Development Conference 2010 (NASDEC 2010), Johor Bahru, 21-22 December 2010.

#### EDITED BOOK

1. Title : Bahan Pengajaran dan Pembelajaran berasaskan Komputer  
Year : 2012  
Editor : Zaidatun Tasir. Norah Mohd Noor, **Noor Dayana Abd Halim**  
ISBN: 978-983-52-0880-5

#### BOOK CHAPTERS

##### 2017

1. Siti Salbiah Omar, **Noor Dayana Abd Halim**, Johari Surif And Jamalludin Harun, Pembangunan Modul Pengajaran Kreativiti Saintifik Bagi Topik Kimia, Pembangunan Pelbagai Modul Pengajaran Dan Pembelajaran, UTM Press, December 2017. ISBN: 978-983-52-1508-7

##### 2016

1. **Noor Dayana Abdul Halim**, Nurfatina Atiqah Kamarudin, Chemmol 4: Learning Concept Of Mole Via Needham's Five Phases To Overcome Students Alternatives Concepts, Research On Educational Studies, Serials Publication (P) Ltd, April 2016. ISBN: 978-81-8387-768-8
2. **Noor Dayana Binti Abd Halim**, Nur Izzati Binti Mohamed Nasir, Online To Inculcate Meaningful Teaching And Learning In Facebook, Isu-Isu Pendidikan Kontemporari, Fakulti Pendidikan Utm, Oktober 2016. ISBN: 978-967-0194-72-1.
3. **Noor Dayana Abd Halim**, Nurfatina Atiqah Kamarudin, Aplikasi Teori Konstruktivisme Dan Model 5 Fasa Needham Dalam Pembelajaran Perisian Chemmol4, Pelbagai Aplikasi Pendekatan Pembelajaran Pengajaran Dan Pembelajaran, UTM Press, April 2016. ISBN: 978-983-52-1206-2.
4. Zaleha Abdullah, **Noor Dayana Abd Halim**, Nurbiha A. Shukor, Abd Rahman Tamuri, UTM-MIT BLOSSOMS, A Guide To New Academia Learning Innovation, UTMLEAD, September 2016. ISBN: 978-967-01-9471-4
5. Nor Farhah Saidin, **Noor Dayana Abdul Halim**, Noraffandy Yahaya, Designing Mobile Augmented Reality To Enhance Visualization Skills In Learning Abstract Concept In Chemistry, Emerging Technology, UTM Press, July 2016. ISBN: 978-983-52-1180-5
6. Suraiya Muhammad, Jamalludin Harun, Johari Surif, **Noor Dayana Abdul Halim**, Chemistry Problem-Solving Competency Of Open Ended Problems In Electrolysis: Authentic Learning Practice, Research On Educational Studies, Serials Publication (P) Ltd, April 2016. ISBN: 978-81-8387-768-8

##### 2015

1. **Noor Dayana Abd Halim**, Lee Boon Kiat, & Nor Farhah Saidin, Persepsi Guru Terhadap Reka Bentuk Perisian Pengajaran Kemahiran Bola Tampar. Implementasi Media Digital dalam Pengajaran dan Pembelajaran (2015). ISBN : 9789835210334
2. Mohd Hishamuddin Abdul Rahman, Noraffandy Yahaya & **Noor Dayana Abd Halim**, Persekitaran Maya 3D VIEW Sebagai Medium Pembelajaran Kooperatif. Implementasi Media Digital dalam Pengajaran dan Pembelajaran. (2015) ISBN: 9789835210334

##### 2012

1. **Noor Dayana Abd Halim**, Mohamad Bilal Ali, Juhazren Junaidi. (2012). Pengaplikasian Teori Konstruktivisme dan Model Motivasi ARCS dalam Pembelajaran Asid dan Bes berasaskan Laman Web. Bahan Pengajaran dan Pembelajaran berasaskan Komputer. ISBN: 978-983-52-0880-5

2. Noraffandy Yahaya, Normawarni Johari, **Noor Dayana Abd Halim**, Norazrena Abu Samah. (2012). Pembangunan Laman Web Rekreasi Matematik Berasaskan Teori Konstruktivis Sosial. Bahan Pengajaran dan Pembelajaran berasaskan Komputer. ISBN: 978-983-52-0880-5
3. Muhammad Azhar Jamaluddin, Norazrena Abu Samah, **Noor Dayana Abd Halim**. (2012). Video Pembelajaran Matematik bagi Tajuk Geometri Pepejal Tingkatan 1 dan 2. Bahan Pengajaran dan Pembelajaran berasaskan Komputer. ISBN: 978-983-52-0880-5

## CONSULTATION WORKS

Summary	
Consultation Project-UTM	1
Consultation Project- Others	1

No.	Year	Title	Value	Vot
1.	2015	Verification of Smart School Qualification & Standards (SSQS) for year 2013 & 2014.	RM50000	UTSB Vote : 832
2.	2020	Faktor Yang Mendorong Ibu Bapa Menghantar Ke Tadika Perpaduan Negeri Johor – Jabatan Perpaduan Negeri Johor	RM40000	UTIM Vote : 117

## INTERNATIONAL/NATIONAL/UNIVERSITY COMMITTEE

Summary	
International Committee	36
National Committee	6
University Committee	28
Faculty Committee	69
Community Committee	19

### International

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	International Graduate Conference on Engineering, Science and Humanities (IGCESH)	Reviewer	2021	2021
2.	2nd International Conference On Creative And Innovative Technology In Education (i-CITE 2021)	Committee Member	25 Aug 21	26 Aug 21
3.	Online Global Classroom : Video Recording and	Director	15 Dec 20	16 Dec 20
4.	International Conference on Virtual and Mixed Reality Interfaces 2020)	Committee Member	2020	2020
5.	International Journal of Education, Psychology and Counseling (IJEPC)	Senior Editorial	2020	2020
6.	International Colloquium on Sports Science, Exercise, Engineering and Technology (ICoSSEET2020)	Co-Chair	2020	2020
7.	Innovative Teaching and Learning Journal (ITLJ)	Editorial Board	2020	2020
8.	Innovative Teaching and Learning Journal (ITLJ) Volume 3 Issue 2	Editor	2020	2020

9.	Innovative Teaching And Learning Journal (ITLJ)	Reviewer	2020	2020
10.	Asia-Pacific Journal of Information Technology and Multimedia (APJITM)	Reviewer	2020	2020
11.	International Education Colloquium FSSH-USSH	Committee Member	2020	2020
12.	Collaboration Research With Binus Indonesia	Committee Member	2020	2020
13.	6th International Conference On Research and Innovation In Information Systems 2019 (ICRIIS 2019)	Committee Member	2019	2019
14.	International Journal of Education, Psychology and Counseling (IJEPC)	Editorial Board	2019	2019
15.	Innovative Teaching and Learning Journal (ITLJ)	Editorial Board	2019	2019
16.	Innovative Teaching and Learning Journal (ITLJ)	Reviewer	2019	2019
17.	Journal of Visualized Experiments (JOVE)	Reviewer	2019	2019
18.	International Conference On Creative And Innovative Technology In Education (i-CITE) 2018	Director	2018	2018
19.	International Journal Of Education Psychology And Counselling (IJEPC)	Editorial Board	2018	2018
20.	Asian Social Science Journal 2018	Editorial Board	2018	2018
21.	International Journal Of Education Psychology And Counselling (IJEPC)	Editorial Board	2017	2017
22.	Graphic And Montage Unit For The 4th International Education Postgraduate Seminar 2017 (4THIEPS2017).	Committee Member	2017	2017
23.	3rd International Conference on Education (ICOED 2017)	Reviewer	2017	2017
24.	World Engineering Education Forum (WEEF 2017)	Reviewer	2017	2017
25.	International Conference On Education And Higher-Order Thinking Skills (ICEHOTS 2016)	Committee Member:	2016	2016
26.	Technical And Vocational Education & Training International Conference (TVETIC)	Committee Member:	2016	2016
27.	International University Carnival on eLearning (IUCEL) 2016	Committee Member:	2016	2016
28.	Jury IIDEL in Conjunction International University Carnival on eLearning (IUCEL) 2016	Jury	2016	2016
29.	Editorial Board For International Journal Of Education Psychology And Counselling (IJEPC)	Editorial Board	2016	2016
30.	Konvensyen Antarabangsa Jiwa Pendidik 2014	Committee Member	2014	2014
31.	International Conference On Learning And Teaching In Computing And Engineering (LATICE) 2014	Committee Member	2014	2014
32.	International Seminar On Technical And Vocational Education (TVEIS 2014)	Committee Member	2014	2014

33.	International Education Postgraduate Seminar (IEPS)2014	Committee Member	2014	2014
34.	5th International Graduate Conference on Engineering Science & Humanity 2014 (IGCESH 2014)	Reviewer	2014	2014
35.	International Conference on Science and Technology Applications in Climate Change (STACLIM 2014)	Reviewer	2014	2014
36.	Seminar Antarabangsa 2nd International Seminar On Quality And Affordable Education (ISQAE) 2013	Committee Member	2013	2013

### National

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	National Science Challenge 2021	Committee Member	2021	2021
1.	Program Malaysian Youth Upcycle Challenge (MY YUC) 2020/21	Jury	18 Jan 2021	17 Feb 2021
2.	Pameran Pendidikan Kerjaya Kolej Matrikulasi Pahang Gambang	Committee Member	2020	2020
3.	Pembangun Modul TWG-S Kementerian Pengajian Tinggi	Committee Member	2020	2020
4.	Pembangunan Video Pembelajaran AI-Bayen	Committee Member	2020	2020
5.	Cabaran 3 Minit Video STEM Yayasan Inovasi Malaysia	Committee Member	2020	2020
6.	National Science Challenge 2018 - Semi Final	Committee Member	2018	2018

### University

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	Jawatankuasa Open and Distance Learning UTM	Member	2020	Present
2.	Jawatankuasa Microcredential UTM	Member	2020	Present
3.	Jury For The 9th International Invention, Innovation And Design 2020 (INDES 2020)	Jury	2020	2020
4.	AJK Induk NALI 2020	Committee Member	2020	2020
5.	Panel Penilai Proposal Utmer 2020/1 Niche Area Smart Digital Community	Panel Penilai	2020	2020
6.	Penilai Manuskrip Buku	Panel Penilai	2020	2020
7.	Innovative Teaching And Learning Journal (Itlj) :	Reviewer	2020	2020
8.	Creating Online Alternative Assessment	Committee Member	2020	2020

9.	Pembangun Microcredential Course UTM	Committee Member	2020	2020
10.	Online Assessment/ UTM Academic Leadership (UTMLead)	Committee Member	2020	2020
11.	New Academia Learning Innovation (Nali) 2020 Symposium	Reviewer	2020	2020
12.	Tutor Wawasan Open Universiti	Tutor	2020	2020
13.	Editor Jurnal ITLJ	Editor	2020	2020
14.	Workshop NALI 2020 : Aligning Free With SDG	Moderator	2020	2020
15.	Workshop NALI 2020 Team Teaching	Moderator	2020	2020
16.	NALI 2020 _Proceeding Symposium	Editor	2020	2020
17.	NALI 2020 _Proceeding Exhibition	Editor	2020	2020
18.	New Academia Learning Innovation (NALI) 2018	Committee Member	2018	2018
19.	Director : NALI SYMPOSIUM 2018	Director	2018	2018
20.	Prosiding NALI Simposium 2018	Editor	2018	2018
21.	Projek Pengkabelan Rangkaian Komputer Dan Wifi Blok N30	Committee Member	2016	2016
22.	Persidangan IGCEESH 2016	Reviewer	2016	2016
23.	MIT UTM BLOSSOMS	Member	2015	2016
24.	Mock Teaching Dalam Sesi Temu Bual Staf Akademik Baharu Di Fakulti Tamadun Islam	Penilai	2016	2016
25.	Taskforce Projek Pembangunan Massive Open Online Courses (MOOCS) UTM 2014/2015	Committee Member	2015	2015
26.	Jurnal Teknologi 2016	Reviewer	2015	2015
27.	Setiausaha Creative Innovative Technology in Education (CITE) Research Group	Setiausaha	2014	2014
28.	Committee Member: 2nd International Seminar on Quality and Affordable Education 2013 (ISQAE)	Committee Member	2014	2014

### **Faculty&School**

<b>NO</b>	<b>NAME OF COMMITTEE</b>	<b>ROLE</b>	<b>STARTING DATE</b>	<b>ENDING DATE</b>
1.	Jawatankuasa Program Luar dan Program Khas Fakulti Sains Sosial dan Kemanusiaan	Committee Member	2021	2021
2.	Jawatankuasa Studio SOE	Committee Member	2021	2021
3.	12th School of Education Innovation Day	Jury	11 Jan 2021	16 Jan 2021
4.	Jawatankuasa Talent Development Taskforce, FSSH	Committee Member	2021	2021

5.	Jawatankuasa Penyelidikan dan Perundingan Fakulti Sains Sosial dan Kemanusiaan	Committee Member	2020	2020
6.	Jawatankuasa Talent Development Taskforce, FSSH	Committee Member	2020	2020
7.	Jawatankuasa Pembelajaran Teradun Gantian Sekolah Pendidikan	Committee Member	2020	2020
8.	Jawatankuasa MyRA Fakulti Sains Sosial dan Kemanusiaan 2020	Committee Member	2020	2020
9.	Jawatankuasa Penjanaan Fakulti Sains Sosial dan Kemanusiaan	Committee Member	2020	2020
10.	Jawatankuasa Program Luar dan Program Khas Fakulti Sains Sosial dan Kemanusiaan	Committee Member	2020	2020
11.	Jawatankuasa Pentaksiran Alternatif Fakulti Sains Sosial dan Kemanusiaan	Committee Member	2020	2020
12.	Jawatankuasa Semakan Web Anugerah Kualiti Akademik (AKA) 2019 Fakulti Sains Sosial dan Kemanusiaan	Committee Member	2020	2020
13.	Pembangunan Repository FSSH Fakulti Sains Sosial dan Kemanusiaan	Committee Member	2020	2020
14.	Pensyarah Pembimbing 2 Program Latihan Mengajar Fakulti Pendidikan Sesi 2019/2020	Committee Member	2020	2020
15.	Panel Temuduga / Panel Sukan / Teknikal / Urusetia Bagi Temuduga	Committee Member	2020	2020
16.	Kemasukan Program Ijazah Sarjana Muda Pendidikan (ISMP)	Committee Member	2020	2020
17.	Fasilitator Bengkel Microcredential Fssh Siri I II III	Fasilitator	2020	2020
18.	Pembentangan Produk Akhir Makmal Capstone UTMSPACE, Sekolah Kejuruteraan Elektrik UTM sesi 2018/2019-3	External Jury	2019	2019
19.	Jury Hari Inovasi Sekolah Pendidikan (Lets Innovate UG)	Jury	2019	2019
20.	Committee Member Sistem Sekolah Pendidikan	Committee Member	2019	2019
21.	Jawatankuasa Penerbitan Dan Penyelidikan Sekolah Pendidikan	Committee Member	2019	2019
22.	Task Force Audit Myra 2017 Fakulti Pendidikan.	Committee Member	2018	2018
23.	Jawatankuasa Penyelidikan, Inovasi, Komersialisasi & Jaringan Fakulti Pendidikan.	Committee Member	2018	2018
24.	Pelaksana Job Training Rajamangala University of Technology Thayanburi, Thailand (RMUTT), Fakulti Sains Sosial Dan Kemanusiaan.	Committee Member	2018	2018
25.	AJK Pengurusan Data Dan Sistem Sekolah Pendidikan	Committee Member	2018	2018
26.	AJK Penerbitan Dan Penyelidikan Sekolah Pendidikan	Committee Member	2018	2018
27.	Prosiding International Research Colloquium In Educational Technology	Ketua Editor	2018	2018
28.	Editor Buku Isu-Isu Pendidikan Kontemporari 1/2018	Editor	2018	2018

29.	Pertandingan Hari Inovasi Fakulti Pendidikan Kali ke-7	Jury	2018	2018
30.	Bengkel Perancangan Strategik Fakulti Pendidikan 2017	Committee Member	2017	2017
31.	4th International Education Postgraduate Seminar (IEPS 2017)	Committee Member	2017	2017
32.	Faculty Of Education Green Office Month	Committee Member	2017	2017
33.	Editor Buku Isu-Isu Pendidikan Kontemporari1/2017	Editor	2017	2017
34.	Sesi Dialog Bersama Tokoh Pendidikan	Committee Member	2017	2017
35.	Task Force Audit Myra 2016 Fakulti Pendidikan	Committee Member	2017	2017
36.	Minggu Pendidik 2017	Committee Member	2017	2017
37.	Faculty of Education 5th Innovation Day	Committee Member	2017	2017
38.	Faculty of Education 6th Innovation Day	Committee Member	2017	2017
39.	Postgraduate Faculty of Education Colloquium	Moderator	2017	2017
40.	Sit In Pelajar Universiti Ahmad Dahalan	Committee Member	2017	2017
41.	Jurnal Kolokium Nusantara Universiti Teknologi Malaysia & Universitas	Editor	2017	2017
42.	Faculty of Education Web Task Force	Head	2016	2016
43.	Hari Inovasi Fakulti Pendidikan Kali-4	Committee Member	2016	2016
44.	Program Job Training of Rajamangala University of Technology Thanyaburi (RMUTT) Students To Faculty of Education	Committee Member	2016	2016
45.	Isu-Isu Pendidikan Kotemporari Dan Proceeding ICEHOTS 2016	Editor	2016	2016
46.	Task Force Audit Myra 2016 Fakulti Pendidikan	Committee Member	2016	2016
47.	MJHOTS Isu 2/2016 Dan Isu 3/2016	Reviewer	2016	2016
48.	Jurnal Teknologi (Special Edition) ICEHOTS 2016	Reviewer	2016	2016
49.	Penilai "Modul Pembangunan Insan Dan Pengurusan Trauma Mangsa	Examiner	2016	2016
50.	Task Force Audit Myra 2015 Fakulti Pendidikan	Committee Member	2015	2015
51.	Persidangan ICEHOTS 2015	Committee Member	2015	2015
52.	Faculty of Education 3rd Innovation Day	Jury	2015	2015
53.	Pembentangan Proposal Kursus Pendek Semester II 2015/2016	Examiner	2015	2015
54.	Faculty of Education 2nd Innovation Day	Jury	2015	2015

55.	Task Force Improving Supervision Skill	Committee Member	2014	2014
56.	Task Force Enhancing Graduate Attribute	Committee Member	2014	2014
57.	Task Force Pengumpulan Bahan Bukti Self Assessment Report (SAR)	Committee Member	2014	2014
58.	Kem Spirit Of Togetherness	Committee Member	2014	2014
59.	Committee Penyelidikan, Perundingan Dan Inovasi Fakulti Pendidikan	Committee Member	2014	2014
60.	Committee Projek Sarjana Muda Fakulti Pendidikan	Committee Member	2014	2014
61.	Committee Buku Laporan Tahunan Fakulti Pendidikan 2014	Committee Member	2014	2014
62.	Task Force Enhancing Graduate Attribute	Committee Member	2013	2013
63.	Projek Laman Web Fakulti Pendidikan	Committee Member	2013	2013
64.	Task Force Improving Supervision Skill	Committee Member	2013	2013
65.	Task Force Pengumpulan Bahan Bukti Anugerah Kualiti Akademik (AKA) 2013	Committee Member	2013	2013
66.	Task Force Pengumpulan Bahan Bukti Self Assessment Report (SAR) 2013	Committee Member	2013	2013
67.	Buku Laporan Tahunan Fakulti 2013	Committee Member	2013	2013
68.	Postgraduate Camp Kali Ke-2 (30 Nov 2013)	Committee Member	2013	2013
69.	Bengkel Kemaskini, Tips Dan Strategi E-Learning Dan Webometrik	Committee Member	2013	2013

### **Community**

1.	Lawatan SMK Simpang Renggam Ke UTM	Committee Member	2020	2020
2.	Pakar Rujuk Bagi Pembinaan E-Kandungan Untuk Program Pembangunan Guru Dalam Sistem Sokongan Pembelajaran Dan Pengajaran Albayen	Committee Member	2020	2020
3.	Hadiah Latihan Persekutuan: Sesi Perkongsian Persediaan Diri, Penyediaan Proposal Dan Temuduga	Committee Member	2020	2020
4.	Pertandingan Kembara STEM dan Bicara Berirama Mutiara Daksina Bersempena dengan Gerakan Dekad Bahasa Kebangsaan 2019	Committee Member	2019	2019
5.	Karnival STEM Sekolah Rendah Hidayah 2019	Committee Member	2019	2019
6.	Program Bangsa Johor Bahagia - Kenali Komunitiku	Committee Member	2018	2018
7.	Karnival STEM UTM-JPNJ	Committee Member	2018	2018

8.	Mini Karnival STEAM di Perpustakaan Sultan Ismail, Johor Bahru	Committee Member	2018	2018
9.	Karnival Dan Pameran Sains, SMK Mohd Khir Johari Johor Bahru	Committee Member	2018	2018
10.	Karnival Dan Pameran Mega STEM, SMK Sultan Ismail JB	Committee Member	2018	2018
11.	Karnival STEAM, Perpustakaan Sultan Ismail Permas Jaya	Committee Member	2018	2018
12.	Pameran Sempena Karnival STEM Iskandar Johor Bahru	Committee Member	2017	2017
13.	Karnival Suka Belajar Kg Melayu Majidee, Johor Bahru	Committee Member	2017	2017
14.	Projek E-Pembelajaran Untuk Mualaf (E-Mualaf) Bagi Institut Latihan Saudara Baru Johor	Committee Member	2017	2017
15.	Kelab Suka Belajar Kg Melayu Majidee, Johor Bahru	Committee Member	2017	2017
16.	Service Learning : 21st Century New Emerging Learning Technologies – Sek. Jenis Tamil Permas Jaya (Learning Science)	Committee Member	2016	2016
17.	Service Learning : 21st Century New Emerging Learning Technologies – Sek. Keb. Taman Mutiara Rini (Learning Living Skills)	Committee Member	2016	2016
18.	Program Sekolah Dalam Hospital, Johor Bahru	Volunteers	2015	2015
19.	Pertandingan Poster Adobe Photoshop Sempena Karnival Pusat Sumber Peringkat Daerah Johor Bahru	Jury	2015	2015

**PLENARY/CHAIRPERSON/ORAL POSTER PRESENTER/KEYNOTE ADDRESS / INVITED GUEST SPEAKER**

Summary	
University of Faculty Level	37
Other Institutional Level	6
School/Committee	12

**University and Faculty**

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1.	Speaker and Fasilitator	Bengkel Pembangunan Kursus Microcredential	16-17 Mac 2021	Webex UTMLead
2.	Speaker	Personal Website Management for Webometrics	3 Mac 2021	Webex FSSH
3.	Speaker	Bengkel Pembangunan Skrip Video MOOCs	5 Mac 2020	Bilik Bengkel UTMLead.
4.	Speaker	Bengkel FSSH Staff's Training fo Development Repository	June 2020 – 2 July 2020	Webex Platform
5.	Speaker	How to make Innovative Video Presentation?	30 November 2020	Aplikasi Webex

6.	Speaker and Fasilitator	Baseline Competencies for Differentiated Career Pathway (Kumpulan 2) – Pengajaran Menggunakan Teknologi	14 – 15 September 2020	UTM Digital, UTM Johor Bahru
7.	Speaker and Fasilitator	Baseline Competencies for Differentiated Career Pathway (Kumpulan 1) – Pengajaran Menggunakan Teknologi	17 – 18 Ogos 2020	UTM Digital, UTM Johor Bahru
8.	Speaker and Fasilitator	Baseline Competencies for Differentiated Career Pathway (BC4DCP)- Teaching Using Technology	21 Ogos 2019	CICT UTM
9.	Speaker	MOOC Refinement Course	27-28 Februari 2018	Hotel Pulai Spring
10.	Speaker	Study Visit Universitas Ahmad Dahlan (UAD) Yogyakarta, Indonesia,	7-13 April 2018	, FSSK UTM JB.
11.	Speaker	Program Internship Universitas Hamzanwadi Indonesia	21 Mac – 14 April 2018	FSSK UTM JB
12.	Speaker	Kursus Web 2.0: Teaching & Learning Social Media & Blog	27 Mac 2018	UTMLead JB
13.	Speaker	Bengkel Membangunkan MOOC Di Atas Platform Open Learning	14 Mei 2018	UTMLead JB.
14.	Speaker	- Bengkel Membangunkan MOOC Siri II: MOOC Atas Platform Open Learning	27-28 Februari 2018	UTMLead JB
15.	Speaker	Kursus Android Mobile Learning Apps Development	7 Mei 2018	UTMLead JB
16.	Speaker	Kursus Sijil Pengajaran Pengajian Tinggi (SPPT) Kumpulan 1/2018 - Pengajaran Dengan Teknologi,	29 Julai – 1 Ogos 2018	UTMLead JB
17.	Speaker	Kursus Sijil Pengajaran Pengajian Tinggi (SPPT) Kumpulan 2/2018, Pengajaran Dengan Teknologi	26-29 Ogos 2018	UTMLead JB
18.	Speaker	Lawatan Akademik 2018 UTM-Universitas Negeri Surabaya	7-16 Januari 2018	Fakulti Pendidikan UTM JB
19.	Speaker	Program Study Visit UNESA 2018	17 Januari 2018	Fakulti Pendidikan UTM JB
20.	Speaker	Bengkel Guru Sempena National Science Challenge (Semi Final)	11 Ogos 2018	Makmal UTMLead JB
21.	Speaker	MOOC Development Course	26-27 Februari 2017	Bilik Bengkel UTMLead.
22.	Speaker	Bengkel Membagunkan MOOCs Di Atas Platform Open Learning.	26 April 2017	Bilik Bengkel UTMLead
23.	Speaker & Facilitator	Kursus Sijil Pengajaran Pengajian Tinggi (SPPT) UTM Kumpulan 1/2017 Pengajaran Teknologi	23-26 Julai 2017	UTMLead
24.	Speaker and Fasilitator	Kursus Sijil Pengajaran Pengajian Tinggi (SPPT) UTM Kumpulan 2/2017- Pengajaran Teknologi	20-23 Ogos 2017	UTMLead
25.	Speaker	Postgraduate Program Structured Course : Planning Your Study As a Research Student	8 October 2017	DO5 Bilik Seminar Akademi Bahasa
26.	Speaker	MOOC Development Course	26-27 Februari 2017	Bilik Bengkel UTMLead.

27.	Speaker	MOOCS Development Courses	26 – 27 April 2016	Makmal Komputer CTL.
28.	Speaker	Virtual Reality And Augmented Reality	3 May 2016	Seminar Room, Faculty of Education, UTM
29.	Speaker	Web 2.0 Teaching and Learning: Media Social & Blog	16 May 2016,	Makmal Komputer CTL.
30.	Speaker	Effective Communication using Social Network	17 May 2016	Makmal Komputer CTL.
31.	Speaker	Basic Screen Capture and Video Editing For Teaching and Learning.	1 – 4 August 2016	Makmal Komputer Fakulti Komputeran, UTM JB.
32.	Speaker	Basic Screen Capture and Video Editing For Teaching and Learning.	21 – 24 August 2016	Makmal Komputer Fakulti Komputeran, UTM JB.
33.	Speaker	Bengkel Postgraduate Support Programs	2 February 2015	Faculty of Education.
34.	Speaker	Meta Analysis in Writing Literature Review	23 May 2015	Seminar Room, Faculty of Education.
35.	Speaker	Kursus Blended Learning	20 September 2015	Bilik Bengkel CTL.
36.	Speaker	Blossom Refinement Workshop	15 September 2015	Bilik Bengkel CTL.
37.	Speaker	Globalize Online Learning.	27 October 2015	CICT Seminar Room.

#### **Other Institutional Level**

<b>NO</b>	<b>ROLE</b>	<b>TITLE OF PROGRAMME</b>	<b>DATE</b>	<b>LOCATION</b>
1.	Speaker	Kursus Blended Learning –Kolej Yayasan Pelajaran Johor	19 Ogos 2020	Kolej Yayasan Pelajaran Johor, Kulai, Johor Bahru
2.	Speaker	Karnival Pendidikan Kerjaya	1 February 2020	Kolej Matrikulasi Pahang, Gambang
3.	Speaker	STEM Sebagai Aspirasi Dalam Pendidikan	29 Julai 2019	Politeknik Ibrahim Sultan
4.	Speaker	Kurus Teknologi Pendidikan dalam Pengajaran dan Pembelajaran (Web 2.0 Tools), Institut Latihan Kementerian Kesihatan Malaysia	5-6 Februari 2018	Institut Latihan Kementerian Kesihatan Malaysia Johor Bahru
5.	Speaker	Guru Abad Ke-21- Aplikasi Google Apps dan Teknologi Web 2.0 dalam Proses Pengajaran dan Pembelajaran	20 Julai 2017	UniKL MITC Johor.
6.	Speaker	Kursus Latihan Penggunaan MOOC	18 -19 Disember 2017	Institut Keselamatan dan Kesihatan Pekerjaan Negara, Taman Teknologi Johor

### Community/School

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1.	Speaker	Empowering Educators : Engagement and Assessment	6 February 2021	MRSM Mukah
2.	Guest Speaker	Science Cafe Johor	14 August 2020	Facebook Live
3.	Guest Speaker	Bengkel Pembangunan Video Interaktif Menggunakan Vizia di Channel YouTube MyInspire	3 Jun 2020	Channel YouTube MyInspire
4.	Speaker	Kursus Pengurusan Siber Cafe	2 October 2014	Kolej Vokasional Perindustrian Johor Bahru
5.	Speaker	Kursus Aplikasi Teknologi dalam Pengajaran dan Pembelajaran	2 Januari 2014	MRSM Pontian
6.	Speaker	Bengkel STEM Bersepadu Peringkat Negeri Johor	25 April 2019	SMK Taman Scientex
7.	Speaker	Pengajaran STEM dan Pembelajaran Abad 21	26 September 2019	Maktab Rendah Sains Mara Johor Bahru
8.	Speaker	Bengkel Pembangunan Modul STEM dan PAK 21	11 Julai 2018,	SMK Seri Pulau Perdana.
9.	Speaker	Bengkel Pembelajaran Kolaboratif: Aplikasi Google Dalam Pembelajaran Dan Pemudahcaraan, Majlis Perhubungan Guru Sarjana, Pasir Gudang.	17 Mei 2017	SMK Taman Nusa Damai.
10.	Speaker	Bengkel Video Interaktif	23 June 2015	SMK Sultan Ismail.
11.	Speaker	Penceramah Dan Pengendali Bengkel Penghasilan Poster Adobe Photoshop Sempena Karnival Pusat Sumber Peringkat Daerah Johor Bahru	28 October 2015	SMK Sultan Ismail.
12.	Speaker	Bengkel Pembinaan Blog	26 November 2015	SK Indahpura 1

### **TEACHING ACTIVITIES**

Summary	
Total Credit Hours	132

### Undergraduates

Semester	Sem	Subject Code	Subject	Credit Hour
2020/2021	1	SHPP1042	Teknologi Pendidikan	2
	1	SHPP 1032	Telekomunikasi Dan Rangkaian	2
2019/2020	2	SPPP 2333	Bahasa Gubahan dan Pembangunan Aplikasi Mudah Alih	3

2016/2017	2	SPPM 2343	Pengurusan Maklumat Dalam Pendidikan	3
2016/2017	1	SPPM 1702	Rekabentuk Perisian Multimedia	2
2015/2016	1	SPPM 1012	Telekomunikasi Dan Rangkaian	2
2015/2016	2	SPPM 1013	Telekomunikasi Dan Rangkaian	3
		SPPM 1012	Telekomunikasi Dan Rangkaian	2
		SPPM 1013	Telekomunikasi Dan Rangkaian	3
2012/2013	1	SPM 1002	Teknologi Pengajaran dan Pembelajaran	2
<b>Total credits</b>				<b>24</b>

### Postgraduates

Semester	Sem	Subject Code	Subject	Credit Hour
2020/2021	2	MPPP1423	Amalan Terbaik Dalam Pengajaran Dan Pembelajaran Media Baharu	3
		MPPP1223	Sistem Gubahan	3
		MPPP 1393	Produksi Teknologi Animasi	3
2020/2021	1	MPPP1403	Persekitaran Pembelajaran Inovatif	3
2019/2020	2	MPPP 1223	Sistem Gubahan	3
2017/2018	2	MPPP 1413	Interaksi Pegguna Dalam Media Baharu	3
		MPPP 1223	Sistem Gubahan	3
		MPPU 1074	Kaedah Penyelidikan Dan Analisis Data Dalam Pendidikan	4
		MPPU 1070	Kritikal Analisis	-
2017/2018	1	MPPU 1074	Kaedah Penyelidikan Dan Analisis Data Dalam Pendidikan	4
		MPPU 1060	Kaedah Penyelidikan Dan Analisis Data	-
		MPPU 1003	Inovasi Dalam Pembelajaran Dan Pengajaran	3
		MPPU 1070	Kritikal Analisis	-
		MPPP 1313	Pembangunan Aplikasi Mudah Alih untuk Pembelajaran Dan Pengajaran	3
		MPPP 1423	Amalan Terbaik Dalam Pengajaran Dan Pembelajaran Media Baharu	3
2016/2017	2	MPPU 1003	Inovasi Dalam Pembelajaran Dan Pengajaran	3
		MPPP 1403	Persekitaran Pembelajaran Inovatif	3
2016/2017	1	MPPP 1423	Amalan Terbaik Dalam Pengajaran Dan Pembelajaran Media Baharu	3
		MPPU 1074	Kaedah Penyelidikan Dan Analisis Data Dalam Pendidikan	4
		MPPU 1003	Inovasi Dalam Pembelajaran Dan Pengajaran	3
		MPPU 1060	Kaedah Penyelidikan Dan Analisis Data	-
		MPPU 1070	Kritikal Analisis	-
		MPPP 1403	Persekitaran Pembelajaran Inovatif	3
		MPT 1393	Pembangunan Multimedia Berasaskan Web	3

2015/2016	1	MPU 0020	Kaedah Penyelidikan Dalam Pendidikan	-
		MPPU 1060	Kaedah Penyelidikan Dan Analisis Data	4
		MPPU 1074	Kaedah Penyelidikan Dan Analisis Data Dalam Penyelidikan	4
		PPU 0020	Kaedah Penyelidikan Dalam Pendidikan	-
2015/2016	2	MPT 1393	Pembangunan Multimedia Berasaskan Web	3
		MPPP 1423	Amalan Terbaik Dalam Pengajaran Dan Pembelajaran Media Baharu	3
		MPPU 1070	Kritikal Analisis	-
2015/2016	1	MPPU 1074	Kaedah Penyelidikan Dan Analisis Data dalam Pendidikan	4
		MPPU 1060	Kaedah Penyelidikan Dan Analisis Data	-
		PPU 0020	Kaedah Penyelidikan Dalam Pendidikan	-
		MPT 1393	Pembangunan Multimedia Berasaskan Web	3
		MPU 0020	Kaedah Penyelidikan Dalam Pendidikan	-
		MPT 1393	Pembangunan Multimedia Berasaskan Web	3
		MPPP 1403	Persekitaran Pembelajaran Inovatif	3
2014/2015	2	MPPU 1070	Kritikal Analisis	-
2014/2015	1	MPT 1393	Pembangunan Multimedia Berasaskan Web	3
2013/2014	2	MPT 1393	Pembangunan Multimedia Berasaskan Web	3
		MPS 1143	Komputer Dalam Pendidikan Fizik	3
		MPS 1343	Komputer Dalam Pendidikan Kimia	3
2013/2014	1	MPT 1383	Pembangunan Teknologi Animasi dan Video	3
		MPT 1393	Pembangunan Multimedia Berasaskan Web	3
2012/2013	2	MPT 1393	Pembangunan Multimedia Berasaskan Web	3
<b>Total credits</b>				<b>108</b>

#### OPEN COURSEWARE (OCW)

1. **MOOCS Courses** – Developer and Instructor : Web Based Multimedia Development (<https://www.openlearning.com/utm/courses/SPPM4342x>)
2. **BLOSSOMS Video** – Developer : Save Our Kingdom (Chemistry topic : Conservation of Mass) [https://blossoms.mit.edu/videos/lessons/save\\_our\\_kingdom\\_relation\\_chemistry\\_topic\\_conservation\\_mass](https://blossoms.mit.edu/videos/lessons/save_our_kingdom_relation_chemistry_topic_conservation_mass)

#### SUPERVISION

Summary	
Main Supervisor – PhD (Graduated)	1
Co-Supervisor – PhD (Graduated)	4
Main Supervisor – PhD (Ongoing)	7
Co-Supervisor – PhD (Ongoing)	3
Main Supervisor- Master by Research (Graduated)	1

Main Supervisor- Master by Research (On-Going)	2
Main Supervisor- Master by Taught Course (Graduated)	13
Main Supervisor- Master by Taught Course (On-Going)	4
Main Supervisor- Master by Mixed-Mode (Graduated)	1
Main Supervisor- Master by Mixed-Mode (On-Going)	1

### **PhD Student**

No.	Name	Status (Graduated/ On-Going)	Title	Roles of Supervision
<b>Graduated</b>				
1.	Nurul Nadwa Zulkifli	Graduated (2019)	Enhancing Students' Critical Thinking and Performance Using Online Reciprocal Peer Tutoring Through Facebook Discussion in Higher Education	Main Supervisor
2.	Siti Salbiah Omar	Graduated (2020)	Model Kreativiti Terarah, Kemahiran Proses Sains Dan Soalan Terbuka Bagi Menggalakkan Kreativiti Dalam Pembelajaran Kimia	Co-Supervisor
3.	Suraiya Binti Hj Muhamad	Graduated (2018)	Effect of Authentic Chemistry Problem Solving Competency in Solving Open-Ended Problems	Co-Supervisor
4.	Mohd Hishamuddin Bin Abdul Rahman	Graduated (2017)	Pembangunan Dunia Maya 3-Dimensi Untuk Pembelajaran Kooperatif Dan Kesannya Kepada Rasa Kewujudan, Kepuasan, Interaksi dan Prestasi Pelajar	Co-Supervisor
5.	Danakorn Nincarean Eh-Phon	Graduated (2017)	Kesan Perisian Realiti Berperantara Berasaskan Pendekatan Inkuiri Dalam Pembelajaran Sains	Co-Supervisor
<b>On Going</b>				
6.	Hemanathan A/L Harikrishnan	On Going	Digital Game Based Learning for Remedial Students	Main Supervisor
7.	Nurul Maziah Binti Mohd Barkhaya	On Going	Hologram Application for Primary Education	Main Supervisor
8.	Masarrah Binti Abdul Mutalib	On Going	Interaction in Social Networking Sites	Main Supervisor
9.	Lee Boon Kiat	On Going	Anticipation Skills in Volleyball through Apps	Main Supervisor
10.	Nor Farhah Binti Saidin	On Going	Mobile Augmented Reality for Learning Chemistry	Main Supervisor
11.	Yao Na	On Going	STEM in Education among Pre Service Science Teacher	Main Supervisor
12.	Ruzaina Abdull Jabbar	On Going	Project Based Learning in Science Computer Subject	Main Supervisor

13.	Rosmonaliza Ahmad	On Going	Augmented Reality in Learning Mathematics	Co-Supervisor
14.	Nur Hamizah Syahirah Ruhizat	On Going	3 Levels of Chemistry Learning in Enhancing Visualization Skills	Co-Supervisor
15.	Siti Najiha Binti Jamal	On Going	Scientific Creativity in STEM	Co-Supervisor

### **MSc. Student**

No.	Name	Status (Graduated/ On-Going)	Title	Mode (Research / Taught-course/ Mixed Mode)	Roles of Supervision
<b>Full Research Graduated</b>					
1.	Ong Boon Han	Graduated (2015)	The Effect of A Computer Based Mathematics Learning Courseware With Effective Criteria On Student's Achievement	Full Research	Main Supervisor
<b>Mixed Mode Graduated</b>					
2.	Nur Fathin Suhaya Ayob	Graduated (2020)	Blended Learning Classroom Using Station Rotation Model To Promote Community Of Inquiry (COI) In Learning Chemistry	Mixed Mode	Main Supervisor
<b>Taught Course Graduated</b>					
3.	Ong Ace Hong	Graduated (2021)	Pembelajaran Berasaskan Permainan Melalui Integrasi Realiti Berperantara Dalam Pembelajaran Geografi Tingkatan 1 Dalam Menyokong Pencapaian Pelajar	Taught Course	Main Supervisor
4.	Nur Aqilah Rozali	Graduated (2020)	Kesan Pembelajaran Berasaskan Inkuiri Dengan Integrasi Video Terhadap Pencapaian, Kemahiran Komunikasi Dan Kolaborasi Pelajar Dalam Pembelajaran Matematik	Taught Course	Main Supervisor
5.	Subahshinee a/p Somasundaram	Graduated (2019)	Digital Game Based Learning For Remedial Students	Taught Course	Main Supervisor

			To Enhance Basic Mathematical Skills		
6.	Syamillah Binti Saliman	Graduated (2018)	Aplikasi Teknologi Realiti Berperantara Bagi Meningkatkan Kemahiran Membaca Kanak-Kanak Prasekolah	Taught Course	Main Supervisor
7.	Mohd Firdaus Bin Saad	Graduated (2018)	Pengintegrasian Teknologi Web 2.0 Bersama Kaedah Koperatif Terhadap Pencapaian Dan Penerimaan Pelajar Sekolah Rendah	Taught Course	Main Supervisor
8.	Nur Fadhilah Binti Zakari	Graduated (2018)	Pembelajaran Berasaskan Permainan Melalui Aplikasi FrogPlay Dalam Topik Kata Ganda	Taught Course	Main Supervisor
9.	Rasdi Bin Hamid	Graduated (2017)	Penggunaan Persekitaran Pembelajaran Maya Frog Dalam Kalangan Guru Dan Pelajar Sekolah	Taught Course	Main Supervisor
10.	Nur Izzati Binti Mohamed Nasir	Graduated (2016)	Online Interaction For Meaningful Learning In Social Learning Environment	Taught Course	Main Supervisor
11.	Amir Bin Jusoh	Graduated (2016)	Kesan Pembangunan Bahan Pegajaran Berdasarkan Kepada Gaya Pembelajaran Yang Berbeza Kepada Pencapaian Dan Persepsi Pelajar	Taught Course	Main Supervisor
12.	Efa Elfrieda Binti Abu Bakar	Graduated (2016)	The Effect of Cooperative Learning Activity In Blossoms Lesson Towards Students' Achievement And Students' Critical Thinking in Learning Chemistry	Taught Course	Main Supervisor
13.	Lee Boon Kiat	Graduated (2015)	Teachers' And Students' Perceptions of Information, Navigation and Interface Design of Multimedia Courseware For	Taught Course	Main Supervisor

			Teaching and Learning Volleyball Skills		
14.	Nurfatin Atikah Binti Kamarudin	Graduated (2015)	Perisian ChemMol4 Bagi Mengatasi Kerangka Alternatif Pelajar Dalam Mendefinisikan Konsep Mol	Taught Course	Main Supervisor
15.	Rajesh A/L Subramaniam	Graduated (2014)	Pembangunan Laman Web Berasaskan Aras Taksonomi Bloom Bagi Matapelajaran Sains Tingkatan Dua	Taught Course	Main Supervisor
<b>Full Research On Going</b>					
16.	Nurul Aini Md Desa	On-Going	Scientific Creativity in Learning Chemistry	Full Research	Main Supervisor
17.	Nazihatul Hasanah Arbain	On-Going	Metacognition in Online Learning	Full Research	Co-Supervisor
<b>Mixed Mode On Going</b>					
18.	Mahadi Mahmood	On-Going	Computational Thinking in Computer Science Subject	Mixed Mode	Main Supervisor
<b>Taught Course On Going</b>					
19.	Asante A/p Sanderasaidar	On-Going	Game Based Learning in Learning RBT	Taught Course	Main Supervisor
20.	Muhammad Zahhar Bin Mohd Hatta	On-Going	Collaborative Learning in Online Learning	Taught Course	Main Supervisor
21.	Noraida Binti Daut	On-Going	Communication Skills in Learning English	Taught Course	Main Supervisor
22.	Rahim Bin Ab Rahman	On-Going	Blended Learning in Learning Sciences	Taught Course	Main Supervisor

#### UTM POSTGRADUATE EXAMINATION/ VIVA

Summary	
PhD Internal Examiner	4
MSc. Internal Examiner	7
Phd Viva Voce/ Proposal Defense Co Chairperson	7
Master Viva Voce/ Proposal Defense Chairperson	7

#### PhD Internal Examiner

NO	ROLE	STUDENTS NAME	YEAR
1	Examiner, Proposal Defense	Tan Sin Min	2021
2	Examiner, Proposal Defense	Kho Pui Wun	2014
3	Examiner, Proposal Defense	Cecelia Likun	2013
4	Examiner, Proposal Defense	Jacquelin S. Linggu	2013
5	Examiner, Proposal Defense	Juvita @ Jovita Sandih	2013

6	Examiner, Proposal Defense	Wong Chee Loong	2013
---	----------------------------	-----------------	------

### **Msc Internal Examiner**

NO	ROLE	STUDENTS NAME	YEAR
1	Examiner – Proposal Defense	Pua Yoke Ching	2021
2	Examiner – Viva-Voce	Lim Pei Rong	2018
3	Examiner – Proposal Defense	Lim Pei Rong	2017
4	Examiner - Proposal Defense	Nurshamela Saim	2016
5	Examiner - Proposal Defense	Nur Sakinah Mohd Isa	2016
6	Examiner - Proposal Defense	Mohd Amerul Akmal Mohd Yunos	2014
7	Examiner - Proposal Defense	Nurul Athirah Mohd Zahiruddin	2014

### **Co-Chair Phd Viva Voce/Proposal Defense**

NO	ROLE	STUDENTS NAME	YEAR
1	Co- Chairperson - Proposal Defense	Fatimah Hishamuddin	2021
2	Co- Chairperson - Proposal Defense	Mohd Al-Fouzi	2021
3	Co Chairperson – Viva Voce	Valerie	2020
4	Co Chairperson – Viva Voce	Bosede Edwards	2016
5	Co- Chairperson – Viva Voce	Zaliza Hanapi	2014
6	Co-Chairperson – Viva Voce	Rahayuddin Jide Same	2013
7	Co-Chairperson – Viva Voce	Adibah Abdul Latif	2013

### **Co-Chair Msc Viva Voce/Proposal Defense**

NO	ROLE	STUDENTS NAME	YEAR
1	Co-Chairperson – Viva Voce	Nizar Mohd Amir	2020
2	Co-Proposal Defense	Nizar Mohd Amir	2018
3	Co-Chairperson – Viva Voce	Lavaniya A/P Chelvan	2018
4	Co-Proposal Defense	Lavaniya A/P Chelvan	2017
5	Co-Chairperson – Viva Voce	Nur Sakinah Mohd Isa	2016
6	Co-Proposal Defense	Nur Sakinah Mohd Isa	2015
7	Co-Chairperson – Viva Voce	Azhan Md Nasir	2014

## **EXTERNAL EXAMINATION**

Summary	
Others Examiner (Book/Manuscript)	1

### **Book/Manuscript Examiner**

NO	ROLE	TITILE	INSTITUTION	YEAR
1	External Examiner	Laman Web Pendidikan Untuk Kanak-Kanak Sebagai Aplikasi Pembelajaran Alaf 21 (SIRI 2)	Universiti Tun Hussein Onn (UTHM)	2020

## **COPYRIGHT**

Summary	
Granted	36

NO	NAME OF COPYRIGHT	NAME OF IVENTOR	YEAR	REFERENCE NUMBER
1.	Guidelines For Online Test And Take Home Examination	Zaidatun bt. Tasir, Azlina bt. Mohd Kosnin, Ahmad Johari bin Sihes , Noraffandy b Yahaya, Adibah binti Abdul Latif , <b>Noor Dayana binti Abd Halim</b> , Norasykin binti Mohd Zaid, Rohaya binti Talib, Halijah bt. Ibrahim Fatimah bt Puteh, Hema Rosheny binti Mustafa, Aminudin bin Hehsan, Nurhasmiza binti Abu Hasan Sazalli	2021	IP/CR/01101
2.	Manual for Take Home Examination (THE) Via Online Using UTM E-Learning (Student)	Zaidatun bt. Tasir, Azlina bt. Mohd Kosnin, Ahmad Johari bin Sihes , Noraffandy b Yahaya, Adibah binti Abdul Latif , <b>Noor Dayana binti Abd Halim</b> , Norasykin binti Mohd Zaid, Rohaya binti Talib, Halijah bt. Ibrahim	2020	IP/CR/01118
3.	Kit Sun, Earth, Moon (SEM)	Noor Azean binti Atan, <b>Noor Dayana binti Abd Halim</b> , Tan Cheng Rui, Lau Wee Dong, Loh Boon Ping	2020	LY2020006177
4.	Modul Kreativiti Kimia : Asid dan Bes	<b>Noor Dayana Abd Halim</b> , Siti Salbiah Omar, Jamalludin Harun, Johari Surif,	2020	LY2019008841
5.	Pelita (Pen Literasi SI-BU-PA-NA-LA)	<b>Noor Dayana binti Abd Halim</b> , Nor Azleenda binti Razali, Nurhayati bte Zainal, Noraida binti Daut	2020	LY2020005441
6.	C-BOND KIT	Nor Hasniza Ibrahim, <b>Noor Dayana Abd Halim</b> , Shamini a/p Thanga Rajan, Nur Adilah Bt Abdol Samat	2019	LY2019007358
7.	RMUTT Job Training on Production of Media Instruction	Norasykin Mohd Zaid, <b>Noor Dayana Abd Halim</b> , Mohd Nihra Haruzuan Mohamad Said, Jamalludin B Harun, Yusri Kamin, Noraffandy Yahaya, Norah Md Noor, Nurbiha A. Shukor, Nurul Farhana Jumaat, Shahrudin Md Salleh, Mohd. Shafie Rosli, Noor Azean Atan, Norazrena Abu Samah, Megat Aman Zahiri Megat Zakaria, Mohd Fadzli Ali,	2019	IP/CR/2019/0532
8.	Drops of Light	<b>Noor Dayana Abd Halim</b> , Pua Yoke Ching, Nor Hasniza Ibrahim, Ng Han Guan	2019	LY2018002681.
9.	The Volleyball World	<b>Noor Dayana Abd Halim</b> , Halijah Ibrahim, Mohamad Bilal Ali, Lee Boon Kiat,	2018	LY2018002339.

10.	Papan Genetik	<b>Noor Dayana Abd Halim</b> , Nor Hasniza Ibrahim, Nur Fezah Mat Nen, Hanin Fathan Nurfina Istiqamah.	2018	IP/CR/2017/1104
11.	YISTEM B	Marlina Ali, Norasykin Mohd Zaid, Johari Surif, Adul Halim Abdullah, Zaleha Ismail, Norhasniza Ibrahim, Mahani Mokhtar, Nurbiha A. Shukor, Mohd Zaidi Abd Rozan, Dayana Farzeeha Ali, <b>Noor Dayana Abd Halim</b> , Corriena Abd Mutalib, Nor Nadzira Suhairom.	2018	LY2018006207
12.	MOOC Telecommunication and Networking Part 1	Abd Razak Idris, <b>Noor Dayana Abd Halim</b> , Norazrena Abu Samah, Nurul Farhana Jumaat,	2018	IP/CR/2018/0158
13.	Dy-Eco: Dynamic in Ecosystem	<b>Noor Dayana Abd Halim</b> , Nor Hasniza Ibrahim, Sharmillah a/p Mohan, Emir Nashriq Kassim, Ting Yann Yann.	2017	IP/CR/2017/0356
14.	Kit Fotosintesis	<b>Noor Dayana Abd Halim</b> , Nor Hasniza Ibrahim, Nur Raidah Abdul Latif, Syahidah Samsudin.	2017	IP/CR/2017/0373
15.	FOF: Friends of Female	<b>Noor Dayana Abd Halim</b> , Nor Hasniza Ibrahim, Mau Han Nee, On Han Joo.	2017	IP/CR/2017/0357
16.	Easy Circuit Tool Kit	<b>Noor Dayana Abd Halim</b> , Nor Hasniza Ibrahim, Hemarani a/p Minusamy, Nurul Hilda Adila Jamian, Nurul Afiqah Awang.	2017	IP/CR/20170358
17.	Bizz Apps –Target Market	<b>Noor Dayana Abd Halim</b> , Amir Jusoh.	2017	IP/CR/2016/1307
18.	Kit Frog and Owl Head	<b>Noor Dayana Abd Halim</b> , Nor Hasniza Ibrahim, Abdul Hisha Udin, Suriaman Ngatiman, Yuli Yusup.	2017	IP/CR/2016/2177
19.	Oh...Otak!	<b>Noor Dayana Abd Halim</b> , Nor Hasniza Ibrahim, Jagjit Kaur a/p Gian Singh, Nor Farahin Roslin, Nur Nazurah Mohd Noramin Chang.	2017	IP/CR/2016/1918
20.	Trigowheel	<b>Noor Dayana Abd Halim</b> , Nor Hasniza Ibrahim, Nor Idayu Rosli, Nur Hanan Afandi, Siti Nor Syuhaidah Mohamad Sufandi.	2017	IP/CR/2016/2027
21.	Modul Pengajaran Dan Pembelajaran dan Kit Ikatan Kimia.	<b>Noor Dayana Abd Halim</b> , Nor Hasniza Ibrahim	2017	IP/CR/2016/2084
22.	Psychology Virtual Book PVB	<b>Noor Dayana Abd Halim</b> , Nor Hasniza Ibrahim, Zaine Zulkifli, Nadiyah Nadzirah Rashid,	2017	IP/CR/2016/1916

		Mohamad Kamis Baharudin, Tu Chien Hui.		
23.	A City of Geometry	<b>Noor Dayana Abd Halim</b> , Nor Hasniza Ibrahim, Mahirunisa Marsono, Nooria Shah Bujang.	2017	IP/CR/2017/0361
24.	Detective on Hunt: DoH	Nor Hasniza Ibrahim, <b>Noor Dayana Abd Halim</b> , Shassi Kumaran a/l Pachimuthu, Ana Salwa Zainal.	2017	IP/CR/2017/0355
25.	Learning Set with Style	Nor Hasniza Ibrahim, <b>Noor Dayana Abd Halim</b> , Hasbul Az Muhamad, Siti Nurul 'Ain Rahimin.	2017	IP/CR/2017/0360
26.	WH – Learning Kit	Nor Hasniza Ibrahim, <b>Noor Dayana Abd Halim</b> , Nurelsya Shahdan, Tan Si Young.	2017	IP/CR/2017/0359
27.	Kotak Ajaib	Nor Hasniza Ibrahim, Bavani Nair a/p Appunni, Hasnah Hasan, <b>Noor Dayana Abd Halim</b> .	2017	IP/CR/2017/0368
28.	UTM- MOOC Module For Topic: Basic Concept of Webpage.	Noor Azean Atan, Norazrena Abu Samah, Hasnah Mohamed, Juhazren Junaidi, <b>Noor Dayana Abd Halim</b> , Mohd Nihra Haruzuan Mohd Said.	2016	UTM.J.1401/27.1 3/1JLD113(75)
29.	C-BOND AR: Mobile Augmented Reality For Learning Chemical Bond	<b>Noor Dayana Abd Halim</b> , Noraffandy Yahaya, Nor Farhah Saidin	2015	UTM.J.1401/27.1 3/1JLD96(34)
30.	AR- Science Magic Book Learning System	Mohamad Bilal Ali, Danakorn Nincarean Eh-Phon, <b>Noor Dayana Abd Halim</b>	2015	UTM.J.1401/27.1 3/1JLD96(39) / PC/2015/03881
31.	Virtual Education World (ViEW) : A Cooperative Online Learning Platform for Multimedia Learning	Noraffandy Yahaya, Mohd Hishamuddin Abdul Rahman, <b>Noor Dayana Abd Halim</b> .	2015	UTM.J.1401/27.1 3/1JLD96(21)/ PC/2015/03882
32.	Spike, Serve and Dig	Noor Dayana Abd Halim, Lee Boon Kiat. E- Volley:	2015	UTM.J.1401/27.1 3/1JLD80(42)/PC/ 2015/03883
33.	Chemmol4: Pengembaraan Bersama Haiqal dalam Konsep Mol	<b>Noor Dayana Abd Halim</b> , Johari Surif, Nurfatin Atikah Kamarudin.	2015	UTM.J.1401/27.1 3/1JLD80(46)/PC/ 2015/03884
34.	APPS1: Introduction to Website Development using Dreamweaver CS3.	Zaidatun Tasir, Vicki Angela Insok, Jamalludin Harun, Nurbiha A. Shukor, Shaharuddin Md, Salleh, <b>Noor Dayana Abd Halim</b> , Zaleha Abdullah, Mohd Nihra Haruzuan.	2014	UTM.J.1401/27.1 3/1JLD68(57)
35.	APPS2: Development of Static Website.	Zaidatun Tasir, Vicki Angela Insok, Jamalludin Harun, Nurbiha A. Shukor, Shaharuddin Md, Salleh, <b>Noor Dayana Abd Halim</b> , Zaleha Abdullah, Mohd Nihra Haruzuan.	2014	UTM.J.1401/27.1 3/1JLD68(56)

36.	AAPS3: Development of Dynamic Website.	Zaidatun Tasir, Vicki Angela Insok, Jamalludin Harun, Nurbiha A. Shukor, Shahrudin Md, Salleh, <b>Noor Dayana Abd Halim</b> , Zaleha Abdullah, Mohd Nihra Haruzuan.	2014	UTM.J.1401/27.13/1JLD68(47)
37.	IPSK-Web Based.	Faizah Abd. Ghani, Mazlan Aris, Nurbiha A. Shukor, Megat Aman Zahiri Megat Zakaria, <b>Noor Dayana Abd Halim</b> .	2012	UTM.J.01.12/27.13/1JLD22(7)
38.	Sci-On: Online Active Learning Activities for Science.	Mohamad Bilal Ali, Zaidatun Tasir, Norafandy Yahya, Shahrudin Mohd Salleh, Nurbiha A. Shukor, <b>Noor Dayana Abd. Halim</b> .	2010	UTM.01.07/27.13/1JLD70-e(19)