



PERSONAL DETAILS

Name : Nurul Farhana Binti Jumaat
Gender : Female
Nationality : Malaysian
Marital Status : Married
Permanent Address : No. 40, Jalan Pulai Tuah 6, Fortune Hills, Bandar Baru
Kangkar Pulai, 81300 Johor Baharu, Johor
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ACADEMIC QUALIFICATION

Year : **Academic Qualification**
2014 : Ph.D. in Educational Technology (with Merit)
Universiti Teknologi Malaysia
2010 : Master of Education (Educational
Technology) Universiti Teknologi Malaysia
2008 : Bachelor of Information Technology (Hons)
Universiti Malaysia Sabah

AWARDS AND HONORS RECEIVED

Year	:	Awards/Achievement
2022	:	Anugerah Perkhidmatan Cemerlang, FSSK.
2021	:	Finalis Anugerah Penyeliaan
2020	:	Anugerah New Academia Learning Innovation (NALI) Awards 2020
	:	Anugerah Perkhidmatan Cemerlang 2020
2019	:	Johan bagi Kategori Pengalaman Pembelajaran Imersif, Anugerah Khas YB Menteri Pendidikan Malaysia, Rekabentuk Kurikulum dan Pengajaran 2019. Tajuk Projek: Inno-gogy Inovasi Pembelajaran Imersif menerusi Pedagogi Inovatif dan Teknologi Kementerian Pendidikan Malaysia. Ketua Projek: Professor. Dr. Zaidatun Tasir.
	:	Finalis Anugerah New Academia Learning Innovation (NALI) 2019 Tajuk projek: INNO-GOGY: Innovative Pedagogies for Teaching Technology through Technology. Ketua Projek: Professor. Dr. Zaidatun Tasir.
	:	Anugerah Perkhidmatan Cemerlang Tahun 2019, Fakulti Sains Sosial dan Kemanusiaan, Universiti Teknologi Malaysia.
	:	Award of Excellent Active Blended Learning Course for MPPP1403 (User Interaction in New Media) and MPPU1003 Innovation for Learning and Teaching for Semester 1, 2018/2019.
	:	Award of Excellent Active Blended Learning Course for MPPP1213 (Technology and Media Design) and SPPP 1702 Multimedia Design and HCI for Semester 2, 2018/2019.
	:	Silver Award NALI 2019: Project: MySL Learning Science
	:	Gold Award National Innovation Competition of Education and Technology (NiCE, 2019). Interactive Coloring Book Using Augmented Reality Technology for Promoting Interest and Social Development among Children.
2018	:	Gold Medal E-Learning Carnival and Conference 2018 (e-LCC) for innovation entitled "Implementation of Learning Analytics Intervention for Improving Student's Learning and Achievement in e-Learning". July 16, 2018. Universiti Teknikal Malaysia, Melaka.
	:	Gold Medal E-Learning Carnival and Conference 2018 (e-LCC) for innovation entitled "Design and Development of e-Service Learning based on Authentic Learning Strategy". July 16, 2018. Universiti Teknikal

Malaysia, Melaka.

: Award of Excellent
Active Blended Learning Course for MPPP1203 (Educational
Technology Foundation & Research) for Semester 1, 2017/2018.

: Bronze Medal
New Academia Learning Innovation For Educators 4.0 Expo for
Innovation entitled "Innovative Model and 2D Game Stimulation for
Vocabulary Acquisition and Communication Skill". September 25-26,
2018. Universiti Teknologi Malaysia.

: Silver Medal
New Academia Learning Innovation For Educators 4.0 Expo for
Innovation entitled "STEM-Interest Ignition Program". September
25-26, 2018. Universiti Teknologi Malaysia.

2017 : Award of Excellent
Active Blended Learning Course for MPPP1213 (Technology & Media
Design) for Semester 1, 2016/2017.

: Award of Excellent
Active Blended Learning Course for SPPM2342 (Information
Management System in Education) for Semester 1, 2016/2017.

: Award of Excellent
Active Blended Learning Course for MPPP1303 (Digital Learning
Object) for Semester 2, 2016/2017.

2016 : Bronze Medal
Innovative Practices in Education and Industry Exhibition (IPEINX)
2016 for innovation entitled "Mobile HTML Editor". March, 14, 2016.
Universiti Teknologi Malaysia.

: Gold Medal
Innovative Practices in Education and Industry Exhibition (IPEINX)
2016 for innovation entitled "Edusign: Educational Sign Language
Video for Deaf Students in Learning Nuclear Energy". March, 14,
2016. Universiti Teknologi Malaysia.

: Gold Medal
Korea International Women Invention Exposition (KIWIE) 2016 for
innovation entitled "Edusign: Educational Sign Language Video for
Deaf Students in Learning Nuclear Energy". June 16 - 19, 2016, Seoul,
Korea

: Award of Excellent
Active Blended Learning Course for SPPM1013 (Telecommunication
and Networking) for Semester 2, 2015/2016.

: Award of Excellent
Active Blended Learning Course for MPPP1213 (Technology & Media

- Design) for Semester 1, 2015/2016.
- : Award of Excellent
Active Blended Learning Course for MPPP1213 (Technology & Media Design) for Semester 2, 2015/2016.
- : Award of Excellent
Active Blended Learning Course for MPPP1413 (Interaction in New Media) for Semester 2, 2015/2016.
- 2015 : Silver Medal
Korea International Women Invention Exposition (KIWIE) 2015 for innovation entitled “*Mobile Applications for Learning Website and Courseware Development*”. May 15 - 18, 2015, Seoul, Korea.
- : Chancellor Award
UTM 54th Convocation Ceremony,
Universiti Teknologi Malaysia (UTM), Johor Bahru, Johor.

JOURNAL EDITOR / EDITORIAL / ADVISORY PANEL

1. Editorial Board Member for *Malaysian Journal of Social Sciences and Humanities*, 2020-2021.
2. Editorial Board Member for *Innovative Teaching and Learning Journal*, 2017-2019.
3. Chief Editor Special Issue Publication in *Jurnal Sains Humanika* for International Education Postgraduate Seminar (IEPS), 2018.
4. Chief Editor Special Issue Publication in *Asian Social Science Journal* for International Education Postgraduate Seminar (IEPS), 2018.
5. Guest Editor Special Issue Publication in *Journal of Engineering Science and Technology* for 1st International Conference on Creative and Innovative Technology in Education (i-CITE), 2018
6. Editorial Board Special Issue Publication in *Jurnal Sains Humanika* for the 6th International Graduate Conference On Engineering, Science & Humanities (IGCESH), 2017.
7. Reviewer for ISI indexed journal, *Journal of Educational Computing Research* (IF: 1.321).
8. Reviewer for ISI indexed journal, *Education and Information Technologies*.
9. Reviewer for ISI indexed journal, *Computer-Assisted Language Learning*.
10. Reviewer for ERA indexed journal, *Asian Social Science*.
11. Reviewer for *Sains Humanika Journal*.
12. Reviewer for *Malaysian Journal of Higher Order Thinking Skills (MJHOTS)*.
13. Reviewer for *Innovative Teaching and Learning Journal (ITLJ)*.
14. Reviewer for *International Virtual Conference on Multidisciplinary Method and Model 2016*.

15. Reviewer for Regional Conference on Engineering Education.
16. Evaluation Panel for Universiti Teknologi Malaysia Edited Books Panel, Evaluator for Smart School Qualification Standard (Sekolah Bistari)

ADMINISTRATIVE EXPERIENCE / OTHER APPOINTMENT

INTERNATIONAL LEVEL	
Year	Positions/Committee
2022 - 2024	Editorial Board Malaysian Journal of Social Sciences and Humanities
2021	YSN-ASM Science Leadership Group member YSN-ASM Affiliate 2020 - 2022
2021	Committee International Conference of Creative and Innovative Technology in Education (i-CITE 2021)
2020	Industrial Training – SMK Seri Pulai Perdana, Johor Bahru, Johor
2018	Secretary International Conference of Creative and Innovative Technology in Education (i-CITE 2018)
2018	Committee, Educational Research Colloquium between UTM and Universitas Negeri Makasar, Indonesia
2018	Committee Rajamangala University of Technology Thanyaburi Thailand, Job Training on Production of Media Instruction.
2018	Committee International Conference of Technical and Vocational & Training (TVETIC) 2018
2018	Committee Postgraduate Colloquium UTM- Unismuh, Jakarta Indonesia.
2018	Committee Member of the 5th International Education Postgraduate Seminar 2018 (IEPS 2018)
2017	Program Kuliah Kerja Nyata (Service Learning) between Universiti Muhammadiyah Purwokerto, Indonesia and Universiti Teknologi Malaysia.
2017	Director, Study Visit from Universitas Ahmad Dahlan, Yogyakarta, Indonesia.
2017	Committee Member of the 4th International Education Postgraduate Seminar 2017 (IEPS 2017)
2016	Committee International Service Learning (ISLP) UTM-University Teknologi Yogyakarta, Indonesia.
2016	Committee Innovation Practices in Education and Industry Exhibition (IPEINX 2016)
2016	Committee International University Carnival on E-Learning, IUCEL 2016
2016	Scientific Committee International Graduate Conference of Engineering, Social and Humanities (IGCESH 2016)
2016	Committee International Conference of Technical and Vocational & Training (TVETIC) 2016
2016	Committee Member of the 3rd International Education Postgraduate Seminar 2016 (IEPS 2016)

UNIVERSITY LEVEL		
Year	:	Positions/Committee
2019	:	Committee, New Academia Learning Innovation (NALI) Exhibition and Competition, 2019
2018	:	Committee, New Academia Learning Innovation (NALI) Exhibition and Competition, 2018
2017	:	Task Force Transformasi Program Akademik Universiti Awam, UTM

STATE LEVEL		
Year	:	Positions/Committee
2018	:	Committee and Exhibitor, Carnival MEGA STEM Johor
2018	:	Committee and Exhibitor, Mini Carnival STEAM Perpustakaan Sultan Committee, Mini Carnival STEAM Perpustakaan Sultan Ismail in Permas Jaya

FACULTY LEVEL		
Year	:	Positions/Committee
1.1.2021-31.12.2021	:	Marketing Coordinator, Faculty of Social Sciences and Humanities, UTM
1.3.2017 - 28.2.2019	:	Publication Coordinator, School of Education, FSSH, UTM
1.3.2019 - 31.8.2019	:	Research Coordinator, School of Education, FSSH, UTM
2019	:	School of Education Academic Professional Development Committee.
2018	:	School of Education MyRA Task Force Committee
2018	:	Committee for a Study Visit from Universitas Ahmad Dahlan, Yogyakarta, Indonesia.
2018	:	Publication Committee Proceeding Innovation in Learning and Teaching (MPPU 1003)
2018	:	Committee, School of Education Innovation Day
2018	:	Committee, Spirit of Togetherness Camp, 2018
2017	:	School of Education MyRA Task Force Committee
2017	:	Committee, School of Education Innovation Day
2017	:	Committee, Spirit of Togetherness Camp, 2017
2017	:	Committee Minggu Pendidik, School of Education, UTM.
2017	:	Task Force Semakan Kurikulum Pra Siswazah Program MPPP
2016	:	School of Education MyRA Task Force Committee
2016	:	School of Education Teaching Awards Committee
2016	:	School of Education Service Learning Committee
2016	:	Committee, Spirit of Togetherness Camp, 2016
2016	:	School of Education Green Office Committee
2015	:	Committee, Spirit of Togetherness Camp, 2015
2015	:	School of Education Service Learning Committee

PROFESSIONAL MEMBERSHIP AND RECOGNITION

Date	:	Positions / Committee
2016–2017, 2018–Present	:	IEEE and IEEE Society Member
2018–Present	:	Persatuan Pendidikan Sains dan Matematik Negeri Johor
2018–Present	:	International Society of Educational Initiatives (ISEI)
2020-2022	:	Young Scientist Network, Academy of Sciences Malaysia

TEACHING ACTIVITIES

Undergraduate/ Postgraduate	Code	Course	Semester	Credit
Postgraduate	MPPP1213	TEKNOLOGI DAN REKABENTUK MEDIA	201420151	3
Postgraduate	MPPP1213	TEKNOLOGI DAN REKABENTUK MEDIA	201420152	3
Postgraduate	MPPP1213	TEKNOLOGI DAN REKABENTUK MEDIA	201520161	3
Postgraduate	MPT1403	Pengenalan Sistem Rangkaian Pendidikan	201520161	3
Postgraduate	MPPU1060	KAEDAH PENYELIDIKAN DAN ANALISIS DATA	201520161	0
Postgraduate	MPU0020	KAEDAH PENYELIDIKAN DALAM PENDIDIKAN	201520161	0
Postgraduate	MPPP1353	PENGURUSAN RANGKAIAN KOMPUTER DAN TELEKOMUNIKASI	201520161	3
Postgraduate	MPPU1074	KAEDAH PENYELIDIKAN DAN ANALISIS DATA DALAM PENDIDIKAN	201520161	4
Postgraduate	PPU0020	KAEDAH PENYELIDIKAN DALAM PENDIDIKAN	201520161	0
Postgraduate	SPPM1013	TELEKOMUNIKASI DAN RANGKAIAN	201520161	3
Postgraduate	MPT1203	TEKNOLOGI DAN REKABENTUK MEDIA	201520161	3
Postgraduate	MPPU1070	KRITIKAL ANALISIS	201520162	0
Postgraduate	SPPM1013	TELEKOMUNIKASI	201520162	3

		DAN RANGKAIAN		
Postgraduate	MPPP1413	INTERAKSI PENGGUNA DALAM MEDIA	201520162	3
Postgraduate	MPPP1213	TEKNOLOGI DAN REKABENTUK MEDIA	201520162	3
Postgraduate	MPPU1080	PENULISAN AKADEMIK	201520162	0
Postgraduate	SPPM1702	REKABENTUK PERISIAN MULTIMEDIA	201620171	2
Postgraduate	MPPP1303	PEMBANGUNAN OBJEK PEMBELAJARAN DIGITAL	201620171	3
Postgraduate	MPPP1213	TEKNOLOGI DAN REKABENTUK MEDIA	201620171	3
Postgraduate	MPPU1070	KRITIKAL ANALISIS	201620171	0
Postgraduate	MPPU1074	KAEDAH PENYELIDIKAN DAN ANALISIS DATA DALAM PENDIDIKAN	201620171	4
Postgraduate	MPPU1060	KAEDAH PENYELIDIKAN DAN ANALISIS DATA	201620171	0
Postgraduate	MPPU1003	INOVASI DALAM PEMBELAJARAN DAN PENGAJARAN	201620171	3
Postgraduate	MPPP1213	TEKNOLOGI DAN REKABENTUK MEDIA	201620172	2
Undergraduate	SPPM2342	PENGURUSAN MAKLUMAT DALAM PENDIDIKAN	201620172	2
Postgraduate	MPPP1213	TEKNOLOGI DAN REKABENTUK MEDIA	201620172	2
Postgraduate	MPPP1213	TEKNOLOGI DAN REKABENTUK MEDIA	201620172	3
Undergraduate	SPPM2342	PENGURUSAN MAKLUMAT DALAM PENDIDIKAN	201620172	2
Undergraduate	UHAK1012	ATRIBUT KEJAYAAN GRADUAN	201720181	2
Postgraduate	MPPU1074	KAEDAH PENYELIDIKAN DAN ANALISIS DATA DALAM PENDIDIKAN	201720181	4

Undergraduate	SPPP1702	REKABENTUK MULTIMEDIA DAN INTERAKSI MANUSIA KOMPUTER	201720181	2
Postgraduate	MPPU1003	INOVASI DALAM PEMBELAJARAN DAN PENGAJARAN	201720181	3
Postgraduate	MPPU1060	KAEDAH PENYELIDIKAN DAN ANALISIS DATA	201720181	0
Postgraduate	MPPP1413	INTERAKSI PENGGUNA DALAM MEDIA	201720181	3
Postgraduate	MPPU1060	KAEDAH PENYELIDIKAN DAN ANALISIS DATA	201720182	0
Postgraduate	MPT1113	PENGANTAR TEKNOLOGI PENDIDIKAN	201720182	3
Postgraduate	MPPU1003	INOVASI DALAM PEMBELAJARAN DAN PENGAJARAN	201720182	3
Postgraduate	MPPU1074	KAEDAH PENYELIDIKAN DAN ANALISIS DATA DALAM PENDIDIKAN	201720182	4
Postgraduate	MPPP1203	PENGANTAR DAN PENYELIDIKAN DALAM TEKNOLOGI PENDIDIKAN	201720182	3
Postgraduate	MPPU1074	KAEDAH PENYELIDIKAN DAN ANALISIS DATA DALAM PENDIDIKAN	201820191	4
Postgraduate	MPPU1003	INOVASI DALAM PEMBELAJARAN DAN PENGAJARAN	201820191	3
Postgraduate	MPPP1413	INTERAKSI PENGGUNA DALAM MEDIA	201820191	3
Undergraduate	SPPP1702	REKABENTUK MULTIMEDIA DAN INTERAKSI MANUSIA KOMPUTER	201820192	2
Postgraduate	MPPP1213	TEKNOLOGI DAN REKABENTUK MEDIA	201820192	3
Undergraduate	SPPP1032	TELEKOMUNIKASI DAN RANGKAIAN	201820192	2

		KOMPUTER		
Undergraduate	SPPP1702	REKABENTUK MULTIMEDIA DAN INTERAKSI MANUSIA KOMPUTER	201920201	2
Postgraduate	MPPP1203	PENGANTAR DAN PENYELIDIKAN DALAM TEKNOLOGI PENDIDIKAN	201920201	3
Postgraduate	MPPP1303	PEMBANGUNAN APLIKASI MUDAH ALIH	201920201	3
Postgraduate	MPPP1213	TEKNOLOGI DAN REKABENTUK MEDIA	202020211	3
Postgraduate	MPPP1203	PENGANTAR DAN PENYELIDIKAN DALAM TEKNOLOGI PENDIDIKAN	202020211	3
Postgraduate	MPPP1303	PEMBANGUNAN OBJEK PEMBELAJARAN DIGITAL	202020211	3
Undergraduate	SPPP1702	REKABENTUK MULTIMEDIA DAN INTERAKSI MANUSIA KOMPUTER	202020211	2
Undergraduate	SPPP1702	REKABENTUK MULTIMEDIA DAN INTERAKSI MANUSIA KOMPUTER	202020211	2
Total Credit Hours				128

RESEARCH PROJECT UNDERTAKEN

Summary

No. of Research Grant Project 37

National Grant		UTM Grant	
Leader	Member	Leader	Member
3	4	4	24

International Grant		Industry Grant	
Leader	Member	Leader	Member
-	2	1	-

Amount Research Grant: RM 1,795,100.82

National Grant		UTM Grant	
Leader	Member	Leader	Member
RM 234,200.00	RM 245,740.00	RM 50,000.00	RM 493,926.00

International Grant		Industry Grant	
Leader	Member	Leader	Member
-	RM 914,345.67	RM 6,300.00	-

A) NATIONAL RESEARCH GRANT

FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS), PROTOTYPE RESEARCH GRANT SCHEME (PRGS) AND EXPLORATORY RESEARCH GRANT SCHEME (ERGS)

Project Leader

1. A Framework for Promoting Metacognitive Abilities Among Students in Online Social Learning Environments. (FRGS)
2. A Framework of Holistic Online Learning that Incorporate Emotion Presence to Enhance Student's Cognition, Motivation, and Academic Achievement in Higher Education. (FRGS)
3. Development of Interactive Tangible Education Game Through Augmented Reality (TEG-AR) for Promoting Metacognitive Abilities Among Children in Social Learning Environment. (PRGS)

Project Member

1. Model Pedagogi Untuk Meningkatkan Kemahiran Kognitif, Sosial Dan Minat Kanak-Kanak Bermasalah Pembelajaran Di Prasekolah. 1 Ogos 2016 – 31 Januari 2019. RM60,2000. Geran FRGS Vot. 4F873
2. Prototype Development of Mobile Applications With an Embedded Sign Language Video for Hearing Impaired Students Learning Science. 15 Ogos 2017 – 14 Ogos 2019. RM61,480. Geran PRGS Vot. 4L683
3. Learning Analytics Framework for Enhancing Students' Cognitive Retention, Cognitive Engagement, and Motivation in Online Learning. 15 Ogos 2017 – 14 Ogos 2019. RM54,060. Geran FRGS Vot. 4F924
4. Exploring The Use Of E-Learning Embedded With Sign Language Video Among Hearing Impaired Students In Learning Science. 1 Jun 2013 – 31 Mei 2015. RM 70,000. Geran ERGS Vot. 4L093

B) UTM RESEARCH GRANT

RESEARCH UNIVERSITY GRANT (TIER 2) AND POTENTIAL ACADEMIC STAFF (PAS) FUND

Project Leader

1. Guidelines for Students Online Learning Success: An Implementation of The Framework of Metacognitive Scaffolding in Learning Through Facebook. 1 Julai 2015 – 30 Jun 2016. RM20,000. Vot Q.J130000.2731.01K89.
2. Using Social Network Analysis to Assess Student's Social Behavior Structure in Online Learning Community. 1 Julai 2017 – 30 September 2018. RM10,000. Vot Q.J130000.2631.13J96.
3. Scaffolding Self-Regulated Flipped Classroom Approach to Facilitate Students' Self-Regulation and Performance in Learning. 01 Ogos 2019 - 31 Julai 2021. RM 20,000.00. Vot Q.J130000.2653.15J94.

C) RESEARCH UNIVERSITY GRANT (TIER 1, TIER 2, HIGHER IMPACT RESEARCH, MATCHING GRANT, NETWORKING GRANT)

Project Member

1. HIR 3.5 : Data Driven Student's Learning Framework. 1 April 2018 – 31 November 2021. RM 37,000. Gup Grant. Vot. 04G79.
2. Pembangunan Modul Aktiviti Bagi Menerapkan Pendidikan Stem Di Kalangan Pelajar, Guru Dan Ibubapa Melalui Program Bertemakan Stem. 1 Februari 2018 – 31 Julai 2019. RM 30,000. Tier 1. Vot. 19H47.
3. Interaction-Performance Predictive Model In Social Collaborative Problem-Based Learning Environment To Enhance Students Critical Thinking Skills. 1 Julai 2017 – 30 Jun 2019. RM 39,700. Tier 1. Vot. 16H55.
4. Cognitive Scaffolding Framework For Leveraging Students' Problem-Solving Process In Online Learning. 1 Julai 2017 – 30 Jun 2019. RM39,100. Tier 1. Vot. 17H93.
5. The Use Of Learning Analytics To Support Improvements In Teaching Practice. 1 Februari 2015 – 31 Julai 2018. RM 200,000. Matching Grant. Vot. 00M68.
6. Towards Future University: Mobile Learning Social Network Model. 1 Julai 2014 – 30 Jun 2016. RM 20,000. Dana Pembangunan Pengajaran. Vot. 4J130.
7. Elevating Students' Visual Thinking Continuum Through Service Learning In Authentic Learning Environment: Management Of Computer Network And Telecommunication Course. 15 Julai 2016 – 30 Jun 2018. RM 10,000. Dana Pembangunan Pengajaran. Vot. 46238.
8. Assessing The Effects Of Gamification And Game Based In Learning : Motivation And Academic Performance. 15 Julai 2016 – 14 Julai 2018. RM 20,000. Dana Pembangunan Pengajaran. Vot. 4J242.
9. Modul Sukarelawan Bagi Pembelajaran Pelajar Sekolah Dalam Hospital. 1 Jun 2015 – 31 Mei 2017. RM 15,000. Dana Pembangunan Pengajaran. Vot. 4J163.
10. Keberkesanan Program Kelestarian Amalan Rendah Karbon Dalam Kalangan Pelajar Sk Kampong Pasir. RM 100. 9 April 2018 – 31 Disember 2019. NG. Vot. 4X370.
11. Keberkesanan Program Pelajar Minat Stem (PPMSTEM) Dalam Meningkatkan Prestasi Pelajar Dalam Matapelajaran Sains Dan Matematik. 1 Jun 2015 – 31 Mei 2017. RM 10,000. NG. Vot. 4J163.
12. Keberkesanan Karnival Dan Pameran Mega Stem Di Sekolah Sultan Ismail, Jb Untuk Meningkatkan Minat Dan Pilihan Kerjaya Pelajar. 25 Febuari 2017 – 14 Julai 2018. RM 1800. NG. Vot. 4X360.
13. Meningkatkan Peranan Perpustakaan Sebagai Wadah Pembinaan Dan Pengembangan Ilmu Masyarakat. 7 Disember 2017 – 23 April 2018. RM 5410. NG. Vot. 4X359.
14. Program International Service Learning Universitas Muhammadiyah Purwokerto Dan Universiti Teknologi Malaysia. 16 Julai 2017 – 7 Ogos 2018. RM 30,000. NG. Vot. 4X334.

15. Mengenalpasti Keberkesanan Karnival Suka Belajar Dalam Meningkatkan Minat Dan Sikap Pelajar Terhadap Stem. 1.2.2017 – 31.12.2017. RM 5410. NG. Vot. 4X264.
16. Seminar & Bengkel Bio Komuniti UTM-UTY Dan Penduduk Felda Tawar 3, Kota Tinggi. 8.3.2017 – 15.3.2017. RM 5000. NG. Vot. 4X182.
17. Service Learning: Projek Rangkaian Komputer Dan Wifi Smk Air Tawar. 20.11.2017 – 19.12.2017. RM 1315. NG. Vot. 4X200.
18. Service Learning Program: Network Cable And Wifi Installation - Smk Sultanah Engku Tun Aminah. 1.10.2015 – 15.1.2016. RM 2290. NG. Vot. 4X183.
19. English Language Camp Program. 10 Mac 2016 – 11 Mac 2016. RM 1271. NG. Vot. 4X213.
20. Service Learning: 21st Century New Emerging Learning Technologies - Sek Keb Taman Mutiara Rini (Learning Living Skills). 10 Oktober 2016 – 15 Disember 2016. RM 2550. NG. Vot. 4X204.
21. International Service Learning 'Menuju Sejuta Impian Bersama'. 8 Mac 2017 – 15 Mac 2017. RM 5000. NG. Vot. 4X212.
22. Projek Pengkabelan Rangkaian Komputer & Wifi Blok N30. 17 April 2016 – 19 Mei 2016. RM 1430. NG. Vot. 4X156.
23. Service Learning: 21st Century New Emerging Learning Technologies - Sek. Jen. Keb. Tamil Permas Jaya (Learning Science). 10 Oktober 2016 – 15 Disember 2016. RM 1970. NG. Vot. 4X193.
24. KTP-NMG 2019: Autism in Education Development Program. 1 Februari 2019 – 31 Julai 2019. RM 5000. CCIN Grant. Vot. 4Y167.

D) INTERNATIONAL RESEARCH GRANT

Project Member

1. Innovative Teaching And Learning Strategies In Open Modelling And Simulation Environment For Student-Centered Engineering Education / INMOTION. 15 Oktober 2016 – 14 Oktober 2019. RM 474, 467.41. ERASMUS+. R.J130000.7624.4C118.
2. ICT Enabled In Service Training of Teachers to Address Education for Sustainability [ICTeEfS]. 28 Februari 2018 – 14 Januari 2022. RM 439,878.26. ERASMUS+. Pending registration with UTM RMC.

E) INDUSTRY RESEARCH GRANT

Project Leader

1. Design and Development of Interactive Multimedia Learning Content on Subject Sirah, Ibadah and Arabic Language for Islamic Primary School KAFA Curriculum. EDESS Education Development and Solutions Sdn Bhd. RM 6,300.00. 1 Jun 2019 – 30 November 2019. Vot: R.J130000.7653.4C262

CONSULTANCY - UTSB

Summary:

No. of Consultancy Project : 3

Leader	Member
-	3

Amount Consultancy Grant : RM 103,100.00

Leader	Member
-	RM 103,100.00

Project Member

1. "Video Training Course". 12 November 2018 – 14 November 2018. RM 12,750.00. Jabatan Agama Islam Negeri Johor.
2. "Special Education Course". 1 Ogos 2018 – 31 Julai 2021. RM 80,000.00. Kumpulan Perubatan Penawar Sdn. Bhd.
3. "Therapy Assistant Course for Teachers". 18 – 20 September 2019. RM 10,350.00. Kumpulan Perubatan Penawar Sdn. Bhd.

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No.	Title.	Filing No.	Year
1	UTM International Sit in Teaching Practice Module	LY2019001349	2019
2	MySQL Learning Science App: Kejap Ada Kejap Tak Ada	LY2018007002	2018
3	Soal Selidik Impak Program Internship 2018 Terhadap Pembangunan Insan Menyeluruh Universitas Hamzanwadi Indonesia	LY2018006180	2018
4	Innovative Electrical Model to Teach Visualize Electrical Circuit	LY2018006189	2018
5	MOOC Telecommunication and Computer Networking Part 1	LY2018006158	2018
6	Innovative 3D Simulation Model to Teach The Phases of Moon	LY2018006182	2017
7	One Happy Physics	LY2017001240	2017
8	Two Way Flash Cards for Pre-Schoolers	LY2017003162	2017
9	SaiMu Kit	LY2017003160	2017
10	HandWrite	LY2017001963	2017

POSTGRADUATE SUPERVISION

A) PhD Student

No.	Year	Name	Status	Title	Roles of supervisor
1.	2020	Ibrahim Al-Shaye	Graduated	Enhancing Programming Skills Among Secondary Schools Students Through Online Problem-Based Learning	Co Supervisor
2.	2022	Ker Yuek Li	Graduated	A Model of Competence On Digital Media Literacy And Attitude Towards Technological Usage Among Private University Students In Malaysia	Co Supervisor
3.	2019	Yusman Jamat	On Going	E Mentor Melalui Aplikasi Mudah Alih Untuk Meningkatkan Kompetensi Jurulatih Kokurikulum Dari Sudut Kognitif, Afektif Dan Psikomotor	Main Supervisor
4	2021	Pan Qi	On Going	Effectiveness of Metacognitive Scaffolding In A Flipped Classroom Towards French Language Learners' Pronunciation And Reading Comprehension	Main Supervisor
5	2021	Chen Yajie	On Going	The Effectiveness of Project-Based Activities In A Blended Learning Environment For Enhancing Interaction Mindset And Interactive Behavior Among EFL Learers	Main Supervisor
6	2015	Ismaliza Ismail	On Going	Student's Learning Styles and Preferences in Mobile Learning Environment	Co Supervisor

B) Master Student (Mixed Mode)

No.	Year	Name	Status	Title	Roles Of Supervisor
1.	2017 (6/9/17)	Mardhiyana Binti Abidin	Graduated	Raising marine ecological awareness to secondary school students through mathematics in an interactive problem solving environment	Co-Supervisor
2	2020	Santhira A/P Pongavanam	Graduated	Inquiry-based learning to improve student's visualization skills in learning Science	Main Supervisor

3	2022	Faizah Elias	Graduated	Kesan Pendekatan Gamifikasi Dalam Persekitaran Augmented Reality Ke Atas Persepsi, Motivasi, Dan Pencapaian Murid Dalam Pembelajaran Bahasa Arab	Main Supervisor
4	2023	Lili Hirwati Abd Wahid	Graduated	Pendekatan Kelas Berbalik Dan Kesannya Ke Atas Pengetahuan Konseptual Dan Pencapaian Matematik Pelajar	Main Supervisor

C) Master Student (Taught Course)

No.	Year	Name	Status	Title	Roles Of Supervisor
1.	2016	Noriesah Binti Ahmad	Graduated	The Effectiveness of the Framework of Metacognitive Scaffolding in Facebook Learning Environment	Main Supervisor
2.	2018	Valerie Bukas Anak Marcus	Graduated	Improving Students' Learning Outcome Through Service Learning Using Scenario-Based Learning In Technology Enhanced Environment	Co-Supervisor
3.	2018	Woon Tian Wen	Graduated	The Effect Of Connectivism Mobile-Assisted Language Learning Environment Towards Students' Achievement and Motivation in Learning English Preposition	Main Supervisor
4.	2019	Nur Hanis Amin Husni	Graduated	Learning Analytics Framework for Assessing Student's Motivation, Cognitive Engagement and Cognitive Retention in Online Learning	Main Supervisor
5.	2019	Siti Syafawati Binti Iliyas	Graduated	Keberkesanan Pembelajaran Berasaskan Permainan Menggunakan Aplikasi 'Sayang Hijaiyah' Terhadap Murid Prasekolah di Pasir Gudang	Main Supervisor
6	2020	Mohd Yazid Saupian	Graduated	Pembelajaran Berasaskan Inkuiri Terhadap Kemahiran Literasi Sains Dan Pencapaian Murid Menerusi Persekitaran Pembelajaran Dalam Talian	Main Supervisor

7	2022	Mohd Jeffery Ojek	Graduated	Faktor-Faktor Yang Mempengaruhi Pengintegrasian TMK Terhadap Pdp Di Kalangan Guru Prasekolah Dalam Matematik Awal	Main Supervisor
8	2022	Mohd Zulkarnain Samri	Graduated	Pendekatan Pembelajaran Kolaboratif dalam Talian bagi Pembelajaran Bahasa Melayu dan Kesannya ke atas Pencapaian Pelajar	Main Supervisor
9	2022	Ow Jia Ling	Graduated	Students' Engagement, Motivation and Achievement Through The Use of Gamified Assessment In Learning Mathematics.	Main Supervisor
10	2023	Amal Hayati Binti Yahya	Graduated	The Effectiveness of Online Collaborative Learning Towards Problem Solving Ability And Programming Skills Among Undergraduate Students In Learning Programming	Main Supervisor
11	2023	Amie Hasfanisha Bollhasan	Graduated	Keberkesanan Persekitaran Pembelajaran Berasaskan Gamifikasi melalui aplikasi Quizziz terhadap Pencapaian dan Motivasi dalam Pembelajaran Bahasa Melayu.	Main Supervisor
12	2023	Baraah Abu Al-Qulbein	Graduated	Effects of the Collaborative Online Learning Approach On Student's Self-Regulation And Performance In Learning Science.	Main Supervisor
13	2023	Mahani Abu Talib	Graduated	Projecy-Based Learning: Fostering ESL Student's Speaking Skills and Self-esteem through student's produced videos.	Main Supervisor
14	2024	Zhang Jiaqi	Graduated	Effectiveness of Animation-Based Learning Towards Pronunciation Skill And Academic Achievement Among Primary School Students	Main Supervisor
15	2024	Pramod Kumar Narayanan	Graduated	The Impact of Gamification In Enhancing Performance, Attitude And Motivation Among Elementary Students In English Vocabulary Learning	Main Supervisor

POSTGRADUATE EXAMINATION / VIVA

A) Master Internal Examiner

1. Rosmawati Binti Zainal : Kesan Penggunaan MOOC dalam Flipped Classroom berdasarkan Pendekatan Masteri
2. Harteini Binti Mohamad. Keberkesanan Modul Interaktif Eperipintar Berasakan Model Scaffolding Dalam Pengajaran Dan Pembelajaran Peribahasa Melayu

PUBLICATIONS

Summary

Indexed Journal: 49

H-Index: 10

A) ISI Indexed Journal

1. Husni, N. H. A., **Jumaat, N. F.** & Tasir, Z. (2022). Investigating Student's Cognitive Engagement, Motivation And Cognitive Retention In Learning Management System. *International Journal Of Emerging Technologies In Learning*, 17 (9), 184-200.
2. Li, K. Y., Zahiri, M. A. Z, M., & **Jumaat, N.F** (2021). A New Lens to Media Competence of Gender Divide In Digitalized Era. *Journal of ICT In Education*, 9 (2) 34-45.
3. Che Lah, N.H., Tasir, Z., **Jumaat, N.F.** (2021). Applying alternative method to evaluate online problem-solving skill inventory (OPSI) using Rasch model analysis. *Educational Studies*, 2021
4. Abdullah, A.H., Mun, S.H., Mokhtar, M., Ashari, Z.M., Jumaat, N.F., Ali, D.F., Samah, N.A., Abdurrahman, M.S. (2020). Using active learning with smart board to enhance primary school students' higher order thinking skills in data handling. *Universal Journal of Educational Research*, 8(10), 4421-4432.
5. **Jumaat, N. F.**, Ahmad, N., Abu Samah, N., Mohamad Ashari, Z., Ali, D. F., & Abdullah, A. H. (2019). Facebook as a platform of social interactions for meaningful learning. *International Journal of Emerging Technologies in Learning*, 14 (4), 151-159.
6. Hashim, S, Utami, P., Abdul Rahman, M. H., **Jumaat, N. F.**, & Eh Phon, D. N. (2019). Knowledge construction process in an open learning system among technical and vocational education and training (TVET) practitioners. *Journal of Vocational and Technical Education*, 11(1), 73-80.
7. West, D., Tasir, Z., Luzeckyj, A., Kew, S. N., Toohey, D., Abdullah, Z., Searle, B., **Jumaat, N. F.**, & Price, R. (2018). Learning analytics experience among academics in Australia and Malaysia: A comparison. *Australasian Journal of Educational Technology*, 34 (3), 122-139. (IF:1.171)

8. **Jumaat, N. F.**, Tasir, Z., Abd Halim, N. D., & Mohamad Ashari, Z. (2017). Project-based learning from constructivism point of view. *Advanced Science Letters*, 23(8), 7904-7906.
9. **Jumaat, N. F.**, & Tasir, Z. (2016). A Framework of metacognitive scaffolding in learning Authoring System through Facebook. *Journal of Educational Computing Research*, 54 (5), 619-659. (IF: 1.231)
10. Gao, Y., Tasir, Z., Harun, J., & **Jumaat, N. F.** (2015). Learning English vocabulary using web-based Leitner box with social network. *Jurnal Teknologi*, 77(3), 157-169.

B) Scopus Indexed Journal

1. **Jumaat, N. F.**, Tasir, Z., & Musa, H. (2019). A Model to Predict Students Performance based on Instructors Pattern of Metacognitive Scaffolding through Data Mining Analysis. *Journal of Theoretical and Applied Information Technology*, 97 (15), 4138 – 4147.
2. Mun, S. H., Abdullah, A. H., Mokhtar, M., Ali, D. F., **Jumaat, N. F.**, Mohamad Ashari, Z., Abu Samah, N & Abd Rahman, K. A. (2019). Active Learning Using Digital Smart Board to Enhance Primary School Students Learning. *International Journal of Interactive Mobile Technologies*, 13 (7), 4-16.
3. Mohamad Ashari, Z., Ngadiman, A. A., Zainudin, N. F., & **Jumaat, N. F.** (2018). The relationship between knowledge and attitude towards technology gadget usage with students socio-emotions development. *International Journal of Interactive Mobile Technologies (IJIM)*, 12(7), 152 – 163.
4. Sidek, S., Tasir, Z., & **Jumaat, N. F.** (2018). Interacting through disclosing: peer interaction patterns based on self-disclosure levels via Facebook. *Journal of Theoretical and Applied Information Technology*, 96(11), 3127-3141.
5. Jamal, S. N., Ibrahim, N. H., Surif, J., Suhairom, N., Abdullah, A. H., & **Jumaat, N. F.** (2017). Understanding of STEM education among chemistry teachers in district of Melaka tengah. *Man in India*, 97(12), 101-108.
6. Abd Halim, N. D., Abu Bakar, E. E., Mokhtar, M., Abdullah, A. H., Surif, J., Ali, D. F., Ali, M., Suhairom, N., & **Jumaat, N. F.** (2017). The effects of cooperative learning activities in BLOSSOMS lesson towards students' achievement in learning Chemistry. *Man in India*, 97(19), 323-329.
7. Abidin, M., Ismail, N., **Jumaat, N. F.**, Suleiman, K., & Ibrahim, N. H. (2017). Marine environment as a real life situation for mathematics problem-solving. *Man in India*, 97(12), 333-347.

C) Indexed Proceedings

1. **Jumaat, N. F.**, Tasir, Z., Abd Halim, N. D., & Mohamad Ashari, Z. (2018). Students preferences of m-learning applications in higher education: A Review. *Advanced Science Letter*, 24(4), 2858-2861.

2. **Jumaat, N. F.**, Al-Shaye, Ibrahim., & Tasir, Z. (2018). Programming skills and the relation in fostering students higher order thinking. *Asian Social Science*, 14(11), 76-82.
3. Woo, P.S., Ashari, Z.M., Ismail, Z.B., & **Jumaat, N.F.** (2019). Relationship between teachers' self-efficacy and instructional strategies applied among secondary school teachers in implementing stem education. *Proceedings of 2018 IEEE International Conference on Teaching, Assessment, and Learning for Engineering*, TALE 2018.
4. **Jumaat, N. F.**, & Tasir, Z. (2016). Facebook as a platform for academic-related discussion and its impact on students success. International Conference of Information and Communication Technology (ICoICT), IEEE Xplore. Doi: 10.1109/ICoICT.2016.7571964
5. Ahmad, N. & **Jumaat, N. F.** (2016). Critical success factors to improve interactions in online social learning environment. International Conference of Information and Communication Technology (ICoICT), IEEE Xplore. Doi: 10.1109/ICoICT.2016.7571897
6. **Jumaat, N.F.**, & Tasir, Z. (2015). Metacognitive scaffolding to support students in learning Authoring System subject. International Conference of Learning and Teaching in Computing and Engineering National Taiwan Normal University, Teipei, Taiwan. IEEE Xplore. Doi 10.1109/LaTiCE.2015.23
7. **Jumaat, N. F.**, & Tasir, Z (2014). Instructional scaffolding in online learning environment: A Meta analysis. International Conference of Learning and Teaching in Computing and Engineering (2014), IEEE Xplore, Doi 10.1109/LaTiCE.2014.22

D) Non-Indexed Journal

1. Marcus, V. B., Atan, N. A., **Jumaat, N. F.**, Said, M. N. H. M., & Junaidi, J. (2018). Improving student's learning outcomes through e-service learning based on authentic learning strategy. *Innovative Teaching and Learning Journal*, 2(1), 8-16.
2. Arif, N., Tasir, Z., & **Jumaat, N. F.**, (2017). Students' problem solving appraisal and behaviour in asynchronous online discussion forum. *Innovative Teaching and Learning Journal*, 1(1), 1-12.
3. **Jumaat, N. F.**, & Ahmad, N. (2017). Scaffolding students' metacognition for effective online learning. *Malaysian Journal Of Higher Order Thinking Skills In Education*, 1, 107-124

E) Edited Book (Book Chapters)

1. Rahimsa, N. A., Tasir, Z., Md. Yusof, M. A., & **Jumaat, N. F.** (2018). Framework of students learning styles and peer interaction in online discussion forum via e-learning. *Conceptual Framework of Learning Theory Implementation in Educational Technology*. Penerbit UTM Press.
2. Md. Noor, N., Rosli, M. S., & **Jumaat, N. F.** (2016). Student-to-student Edutainment. *A guide to new academia learning innovation*. UTMLead, UTM.

F) Article in Mass Media

1. **Jumaat, N. F.** (2018). *Pencetus Pembelajaran Interaktif dan Efektif*. Majalah Dewan Masyarakat. Dewan Bahasa dan Pustaka.
2. **Jumaat, N. F.** (2017). *Peranan Teknologi Dalam Pembelajaran Abad Ke-21*. Majalah Dewan Masyarakat. Dewan Bahasa dan Pustaka.

G) Seminar/ Conference Proceedings

1. Marcus, V. B., Atan, N. A., & **Jumaat, N. F.** (2018). Design and development of learning activities for eservice learning program based on authentic learning strategy. *Prosiding Isu-Isu Kontemporari Pendidikan*.
2. Maniam, Y., Panjaman, M., **Jumaat, N. F.**, & Mohd Amin, N. F. (2018). Pendekatan pembelajaran melalui bermain untuk meningkatkan kemahiran murid membatangkan suku kata terbuka kv+kv menggunakan teknologi realiti maya. *Prosiding Inovasi Dalam Pembelajaran Dan Pengajaran*.
3. Subramaniam, V., Murugaru, A., Subramaniam, S., Mohd Amin, N. F., & **Jumaat, N. F.** (2018). Pendekatan permainan dalam kelas untuk meningkatkan kemahiran murid mengenal, mengingat dan menyebut huruf abc serta membaca suku kata kv+kv dengan betul. *Prosiding Inovasi Dalam Pembelajaran Dan Pengajaran*.
4. Salbaraja, M., Ariffin, N. H., Bakar, H., **Jumaat, N. F.**, & Mohd Amin, N. F. (2018). Penggunaan kit touch me dalam meningkatkan pemahaman pelajar linus matematik Tahun 1. *Prosiding Inovasi Dalam Pembelajaran Dan Pengajaran*.
5. Ridos, C. H., Ahi, J. J., Angamuthu, K. D., **Jumaat, N. F.**, & Mohd Amin, N. F. (2018). Penggunaan m-fracto kit dalam meningkatkan pengetahuan konseptual dan prosedural matematik untuk topik asas pecahan. *Prosiding Inovasi Dalam Pembelajaran Dan Pengajaran*.
6. Ali, M., Suhairom, N., Ali, D. F., Ismail, N., Abd Talib, C., & **Jumaat, N. F.** (2018). STEM interest-ignition program by school of education, utm and sultan ismail library, Kg Melayu. *Proceedings Nali 2018 Exhibition And Competition*.
7. Wan Hussin, W. N. T., Mohamed, K. A., Abd Ghafar, L., A. Shukor., & **Jumaat, N. F.** (2018). Designing mooc for learning communicative english among polytechnic students. *Proceedings Of International Research Colloquium In Educational Technology UTM-RMUTT*.
8. Zaine, Z., Mohd Ashari, Z., & **Jumaat, N. F.** (2017). Motivation and job satisfaction among teachers in school. *Proceedings of the 2nd International Conference of Educational Studies 2017*.
9. Abd Jabar, N. B., Mohd Ashari, Z., & **Jumaat, N. F.** (2017). spirituality among secondary school students. *Proceedings of International Conference On Applied Counselling And Psychology (ICACP 2017)*.
10. Ahmad, N., & **Jumaat, N. F.** (2016). Students' level of usage and activities in Facebook. *Prosiding Isu-Isu Kontemporari Pendidikan*.
11. **Jumaat, N. F.**, & Tasir, Z. (2016). Predicting students' performance based on instructors pattern of metacognitive scaffolding. *Proceedings of the 6th Regional Conference on Engineering Education (RCEE 2016)*.

12. Hasmiy, A. F. R., **Jumaat, N. F.**, & Tasir, Z. (2016). Promoting metacognitive knowledge through online social learning environment. *Proceedings of the 6th international graduate conference on engineering, science & humanities (IGCESH 2016)*, 15-17 Ogos, UTM Johor Bahru, pp. 700-702, ISBN 978-967-0194-67-7.
13. Ahmad, N., & **Jumaat, N. F.** (2015). Facebook as a platform of social interactions for meaningful learning. Presented at *International Education Postgraduate Seminar 2015*, 20 - 21 Disember, Pulau Spring Resort Johor Bahru.

ACADEMIC RECOGNITION

A) International Level

1. Workshop Speaker for Universitas Hamzanwadi Lombok, Indonesia Study Visit Delegates. 22 April, 2019. Workshop Title: Foundation of Education Technology
2. Workshop Speaker for 1st International Conference on Creative and Innovative Technology in Education 2018. 24 July, 2018. Workshop Title: Social Network Analysis for Social Scientist
3. Workshop Speaker for Universitas Ahmad Dahlan Study Visit Delegates. 9 April, 2018. Workshop Title: Flipped Classroom
4. Workshop Speaker for Universitas Hamzanwadi, Lombok, Indonesia Study Visit Delegates. 22 March, 2018. Workshop Title: Interactive Games for 21st Century Learners
5. Workshop Speaker for Universitas Negeri Surabaya Study Visit Delegates. 9 January, 2018. Workshop Title: Web 2.0 tools for Teaching and Learning
6. Moderator for International Education Technology Research Colloquium between UTM and Rajamangala University of Thanyaburi Thailand. 3 May, 2018.

B) National/State Level

1. Penceramah dan Fasilitator Kursus Video Editing and Viral Management. Jabatan Agama Islam Negeri Johor. 14 - 16 November, 2018.
- 2.
3. Penceramah/Pengajar Kursus Latihan Penggunaan MOOC. Jabatan Agama Islam Negeri Johor. 18 – 20 Disember, 2017.

C) University Level

4. Speaker for Kursus Practical Learning Analytics for Educator. 25 October, 2018. Makmal Komputer UTMLead.
5. Speaker for Postgraduate Structured Course. 8 August, 2017. Title: Planning Your Study as a Research Student. Block D06, Language Academy.
6. Penceramah dan Fasilitator Kursus Sijil Pengajaran Pengajian Tinggi (SPPT). 2017-2019. Anjuran UTMLead.

D) Faculty/School Level

1. Speaker for Educational Technology Panel Colloquium 2018/2019-01. Title: Tips for 3 Minute Thesis Competition
2. Speaker for Educational Technology Panel Colloquium 2018/2019-02. Title: Writing a Discussion Chapter