

CURRICULUM VITAE



Prof. Dr. Ahmad Fauzi bin Mohd Ayub

BUTIR-BUTIR PERIBADI (Personal Details)			
Nama Penuh (<i>Full Name</i>)	Ahmad Fauzi Mohd Ayub		Gelaran (<i>Title</i>): Prof.Dr.
No. MyKad / No. Pasport (<i>Mykad No. / Passport No.</i>)	Warganegara (<i>Citizenship</i>) Malaysia	Bangsa : Melayu (<i>Race</i>) : Malay	Jantina (<i>Gender</i>) Male
Jawatan (<i>Designation</i>)	Profesor (VK7)	Tarikh Lahir (<i>Date of Birth</i>)	21.4.1968
		Tarikh Bersara	20.4.2028
Hindex Scopus: 14 Total documents: 145 Total Citations: 840	Hindex Google: 32 Total Citations: 4976	H-index Publons: 9 Total documents: 83 Total Citations: 443	

<i>Alamat Semasa (Current Address)</i>	<i>Jabatan/Fakulti (Department/Faculty)</i>	<i>E-mel dan URL (E-mail Address and URL)</i>
	Department of Foundations of Education Faculty of Educational Studies Universiti Putra Malaysia Tel: 0127446575	afmy@upm.edu.my

KELAYAKAN AKADEMIK (Academic Qualification)			
<i>Nama Sijil / Kelayakan (Certificate / Qualification obtained)</i>	<i>Nama Sekolah Institusi (Name of School / Institution)</i>	<i>Tahun (Year obtained)</i>	<i>Bidang pengkhususan (Area of Specialization)</i>
Diploma	Universiti Pertanian Malaysia	1989	Computer Science
Bachelor (Bac Sc. (Hons))	Universiti Pertanian Malaysia	1992	Mathematics
Diploma	Universiti Teknologi Malaysia	1994	Education
Master	Universiti Teknologi MARA	1998	Information Technology
PhD	Universiti Kebangsaan Malaysia	2008	Information Science

PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN*(Scientific experience and Specialisation)*

Organization	Position	Start Date	End Date	Expertise
Matriculation Centre	Science teacher	1994	2000	Teaching
Faculty of Educational Studies	Tutor	2001	2002	Research/teaching
Faculty of Educational Studies	Lecturer	2002	2014	Research/teaching
Faculty of Educational Studies	Associate Prof	2014	2021	Research/teaching
Faculty of Educational Studies	Profesor	2020	current	Research/teaching

Bidang penyelidikan

Educational technology, mathematics education

SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)

Journal	
	1. Liu He, Ahmad Fauzi Mohd Ayub , & Saidon Amri (2024) Development and validation of a questionnaire to assess the implementation of physical education programs in Chinese junior high schools. <i>BMC Public Health</i> (2024) 24:2387. https://doi.org/10.1186/s12889-024-19844-5 .
	2. Wang Ruimei, Nurul Nadwa Zulkifli & Ahmad Fauzi Mohd Ayub (2024). The impact of the stratified cognitive apprenticeship model on mathematical motivation in high school students. <i>Environment and Social Psychology</i> , 9(8). doi: 10.59429/esp.v9i8.2819.
	3. Wang Ruimei, Nurul Nadwa Zulkifli, & Ahmad Fauzi Mohd Ayub (2024). Investigating the Impact of the Stratified Cognitive Apprenticeship Model on High School Students Performance. <i>Educ. Sci.</i> 2024, 14, 898. https://doi.org/10.3390/educsci14080898 .
	4. Umi Zuraifah Md Hashim, Mohd Hazwan Mohd Puad, Ahmad Fauzi Mohd Ayub & Norliza Ghazali (2024). Development and Assessment of Digital Pedagogy Competency Instrument for Teaching and Learning: A Needs Analysis. <i>International Journal Of Academic Research In Progressive Education And Development</i> . 13(3). DOI:10.6007/IJARPED/v13-i3/22109
	5. Ting, K.S., Talib, O., Mohd Ayub, A. F. , Zolkepli, M., Chen Chuei Yee, C.C. Hoong, T. C. (2024). Rasch model assessment of algebraic word problem among year 8 Malaysian students. <i>International Journal of Evaluation and Research in Education (IJERE)</i> . 13(2), 1088~1099. http://doi.org/10.11591/ijere.v13i2.25721 (Indexed in SCOPUS).
	6. Mohd Shahridwan Ramli, Ahmad Fauzi Mohd Ayub , Siti Wan Aminah Wan Norudin, Fazilah Razali & Norlizah Ghazali (2024). Development and Evaluation of I-Promaths Module in Calculus among Matriculation Students. <i>International Journal of Academic Research In Progressive Education And Development</i> . 13(3), 2490-2502. http://dx.doi.org/10.6007/IJARPED/v13-i3/22090 (Indexed in ERA).
	7. Haslinda Husain, Shamsulariffin Samsudin, Ahmad Fauzi Mohd Ayub , Mohamad Firdaus Ahmad, & Nur Syazwani Zulaikha Safwan (2024). A systematic literature review on the impact of participation in sport and physical activities on psychological resilience. <i>International Journal of Public Health Science (IJPHS)</i> 13(4), 1727~1737, DOI: 10.11591/ijphs.v13i4.24345 (Indexed in SCOPUS).

SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)

8. Ramli, M.S., **Ayub, A.F.M.**, Razali, F. & Ghazali, N. (2024). Effects Of Flipped Classroom Towards Calculus Performance And Mathematical Creative Thinking Skills Among Higher Institution Students, *Journal of Institutional Research South East Asia*, 22(1), 70-96. (Indexed in SCOPUS).
9. Nadzri A. Y. N. M., **Ayub, A. F. M.**, Zulkifli, N. N., & Salim, N. (2024). Implications of AR Modules on Geometry Conceptual and Procedural Knowledge among Primary School Students. *Malaysian Journal of Mathematical Sciences* 18(1), 51–72. <https://doi.org/10.47836/mjms.18.1.04>. (Indexed in SCOPUS).
10. Hock, T.T., & **Mohd Ayub, A. F.** (2024). Malaysian Trainee Teachers' Readiness towards Virtual Learning: A Q Methodology. *Asian Journal of University Education (AJUE)*, 20(1), 42-52. (Indexed in SCOPUS).
11. Tan Tong Hock, **Ahmad Fauzi Mohd Ayub** & Riyan Hidayat (2024) Enhancing Financial Education in Lower Primary with Concrete Kits and Digital Teaching Apps. *International Journal of Academic Research In Business And Social Sciences* 14(5), 1254-1264. <http://dx.doi.org/10.6007/IJARBS/v14-i5/21655>.
12. Hidayat, R., Noor, W. N. W. M., Nasir, N., & **Ayub, A. F. M.** (2024). The role of GeoGebra software in conceptual understanding and engagement among secondary school students. *Infinity*, 13(2), 317-332. <https://doi.org/10.22460/infinity.v13i2.p317-332>. (Indexed in SCOPUS).
13. Roslan, R., **Mohd Ayub, A. F.**, Ghazali, N., Zulkifli, N. N., Md Latip, S. N. H., & Abu Hanifah, S.S. (2023). Predictive Model for factors influencing students' continuance Usage intention on a gamified formative assessment application. *Journal of Technical Education and Training*. 15(3). 12-24 <https://doi.org/10.30880/jtet.2023.15.03.002>. (Indexed in SCOPUS).
14. Mohd Nadzri, A. Y. N, **Mohd Ayub, A. F.**, & Zulkifli, N. N. (2023). The Effect of Using Augmented Reality Module in Learning Geometry on Mathematics Performance among Primary Students. *International Journal of Information and Education Technology*, 13(9), 1478 – 1486. <https://doi.org/10.18178/ijiet.2023.13.9.1952>. (Indexed in SCOPUS).
15. Mohd Fasihah, E. E., **Mohd Ayub, A. F.**, & Zulkifli, N. N. (2023) Teachers' acceptance of technology as predictors of the use of Google Classroom analytical learning. *International Journal of Evaluation and Research in Education (IJERE)* 12(3),1383~1389. <https://doi.org/10.11591/ijere.v12i3.25021>. (Indexed in SCOPUS).
16. Hidayat, R., Kamarazan, N. A., Nasir, N. & **Ayub, A. F. M** (2023). The Effect of GeoGebra Software on Achievement and Engagement Among Secondary School Students. *Malaysian Journal of Mathematical Sciences* 17(4), 611–627. (Indexed in SCOPUS).
17. Razali, F., Sulaiman, T., **Mohd Ayub, A. F.**, & Abdul Majid, N. (2023) The impact of active learning and learning style on blended learning: Insights from higher education students. *International Journal of Evaluation and Research in Education (IJERE)*, 12(4), 2149-2156. (Indexed in SCOPUS).
18. Fathiyah Mohd Fakhruddin, **Ahmad Fauzi Mohd Ayub**, Norlizah Che Hassan, Lukman Abd Mutalib & Wan Marzuki Wan Jaafar (2023). Student Learning Engagement of Malaysian Tahfiz Students: A Qualitative Study. *Akademika* 93(3), 3-11. (Indexed in SCOPUS).
19. Ting, K. S., Talib, O., **Ayub, A. F. M.**, Zolkepli, M., Yee, C. C., & Hoong, T. C. (2023). Word Problems as a Vehicle for Teaching Computational Thinking. *International Journal of*

SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)

- Academic Research in Progressive Education and Development, 12(1), 1493–1509. (Indexed in ERA).
20. Jazihan Mahat, Norasyikin Ibrahim & **Ahmad Fauzi Mohd Ayub** (2023). Student's Mobile Phone Habitual Behaviour for Academic Purposes: Empirical Evidence from A Higher Learning Institute in Malaysia. *International Journal of Academic Research In Business And Social Sciences*. 13(12), 5111- 5120. (Indexed in ERA).
 21. Jazihan Mahat, Norasyikin Ibrahim & **Ahmad Fauzi Mohd Ayub** (2023). Exploring the Factors that Influence Smartphone Usage for Learning among Students at a Public University in Malaysia *International Journal Of Academic Research In Business And Social Sciences*. 13(12), 4961- 4971. (Indexed in ERA).
 22. Azlida Mohamad, Tajularipin Sulaiman & **Ahmad Fauzi Mohd Ayub** (2023). Factors Influencing 21st Century Teaching among Secondary School Teachers in Selangor, Malaysia. *Journal of Academic Research in Business and Social Sciences*. 13(12), 401- 417. (Indexed in ERA).
 23. He Yong Tian, Nurul Nadwa Zulkifli & **Ahmad Fauzi Mohd Ayub** (2023). A Literature Review on Virtual Reality in Teaching Education. *International Journal of Academic Research in Business and Social Sciences*. 13(15), 299-306. (Indexed in ERA).
 24. Norliza Ghazali, **Ahmad Fauzi Mohd Ayub**, Maizura Yasin, Marzni Mohammed Mokhtar, Farah Damia Nasir & Fadzilah Abd Rahman (2023) Student Experiential E-Learning In Higher Learning Institutions. *Journal of Public Administration and Governance*, 13(4), 93-109 (Indexed in ERA).
 25. Roslan, R., **Mohd Ayub, A.F.**, Ghazali, N., Zulkifli, N. N., Mohd Latip, S. N. H. & Abu Hanifah, S. S. (2023). Investigating Factors That Affect the Continuance Use Intention among the Higher Education Institutions' Learners Towards a Gamified M-Learning_Application. *Journal of Information Technology Education Research* 22, 097-128. (Indexed in SCOPUS).
 26. Letchumanan, M., Husain, S. K. S., & **Ayub, A. F. M.** (2023). Determining the influence of cultural values on promotion of higher order thinking skills in technology enhanced learning environment. *Malaysian Journal of Mathematical Sciences*, 16(4), 747-763. (Indexed in SCOPUS).
 27. Hanifah, S.S.A, Ghazali, N, **Ayub, A.F.M** & Roslan, R (2023) Predicting teachers' use of digital technology. *International Journal of Evaluation and Research in Education*, 12(2), 555–562. (Indexed in SCOPUS).
 28. Parvin, M., Asimiran, S. B., & **Ayub, A.F.B.M.** (2022) Impact of introducing e-commerce on small and medium enterprises – a case on logistics provider. *Society and Business Review*, 2022, 17(3), 469–484. (Indexed in SCOPUS).
 29. Letchumanan, M., Husain, S.K.S., **Ayub, A.F.M.**, Kamaruddin,R., & Zulkifli, N.N . (2022). Migrating to Technology Integrated Classes to Promote Higher Order Thinking Skills among University Students: Perspectives from Mathematics Academicians. *Malaysian Journal of Mathematical Sciences* 16(4), 749–769. (Indexed in SCOPUS).
 30. Ogbodoakum, N., **Mohd Ayub, A.F.**, & Zainal Abidin, N (2022). The influence of individual and organizational factors on readiness to accept online learning among higher education lecturers in Nigeria. *Knowledge Management & E-Learning*, 14 (3). 304-328. (Indexed in SCOPUS).

SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)

31. Razali, F., Sulaiman, T., **Mohd Ayub, A.F.**, & Jamaluddin, F. (2022). Factors of Learning towards Creating Blended Learning Curriculum Using Learning Management System in Higher Education during Covid-19 International Journal of Instruction, 15(4), 723-744 (Indexed in SCOPUS).
32. Razali, F., Sulaiman, T., **Mohd Ayub, A.F.**, & Jamaluddin, F. (2022). The Matching of Blended Learning Curriculum for the Development of New Generation: A Systematic Literature Review. International Journal of Mechanical Engineering, 7(1), 6282-6289 (Indexed in SCOPUS).
33. Razali, F., Sulaiman, T., **Mohd Ayub, A.F.**, & Abdul Majid, N (2022) Effects of Learning Accessibility as a Mediator between Learning Styles and Blended Learning in Higher Education Institutions during the Covid-19 Pandemic. Asian Journal of University Education (AJUE), 18(2), 569 – 584. (Indexed in SCOPUS).
34. Mokhtar, A., **Mohd Ayub, A.F.**, Mustakim, S. S. & Said, R. R. (2022). The effectiveness of the CLEAR Module in improving year four pupils' procedural and conceptual knowledge of fractions titles in urban school. International Journal of Academic Research in Business and Social Sciences. 12(7), 1071– 1083. (Indexed in ERA).
35. Roslan, R., **Ayub, A.F.M.**, Ghazali, N., Zulkifli, N. N.(2022). The influence of perceived ease of use, perceived usefulness, social influence, and perceived enjoyment towards continuance intention in using a gamified e-quiz mobile application. Journal of Institutional Research Southeast Asia. 19(2), 283–310 (Indexed in SCOPUS).
36. Zakaria, N.S., Subarimaniam, N., Wan Jaafar, W.M., **Mohd Ayub, A.F.** (2022). Conceptualization and initial measurement of counseling ethics competency: the influence of spirituality and self-efficacy. European Journal of Training and Development, 2022, 46(3-4), pp. 285–301 (Indexed in SCOPUS).
37. Ying, Y. S., Mohd Ayub, A. F. (2022). The impact of Flipped Classroom Instructional in Teaching English as a Second Language Among Lower Secondary School Students. International Journal of Education, 14(4), 15-32 (Indexed in ERA).
38. Sukor, R., **Ayub, A.F.M.**, Ab Rashid, N.K.M., Halim, F.A. (2021). Relationship Between Students' Engagement with Academic Performance Among Non-Food Science Students Enrolled in Food Science Course. Journal of Turkish Science Education, 18(4), 638–648. (Indexed in SCOPUS).
39. Farah, R.N., Zuraida, R.L., **Ayub, A.F.M.**, ...Nida, S.U., Irwan, N. (2021). Algebraic Lab: Pedagogical Tool to Teach and Learn Algebra through Game. Review of International Geographical Education Online, 2021, 11(4), 951–962 (Indexed in SCOPUS).
40. Endot, A., Jamaluddin, R., **Ayub, A.F.M.**, Puad, M.H.M (2021). Teacher Readiness in Implementing the Teaching of Design and Technology and Its Relationship with Self-Efficacy and Intrinsic Motivation. International Journal of Human Resource Studies 11 (4S), 111122-111122 (Indexed in ERA).
41. Hock, T.T., **Ayub, A.F.M.**, Yunus, A.S.M., Salim, N. R. M (2021) Dynamic Google SketchUp Software and Conventional Teaching Strategy of Students's™ Conceptual Knowledge and Procedural Knowledge in Learning Geometry. International Journal of Human Resource Studies 11 (4S), 274286-274286 (Indexed in ERA).

SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)

42. Ong, S.Y. Roslan, S. Ahmad, N.A., **Ayub, A.F.M.** Chen, L.P. & Taresh, S.M. (2021). Parents' experience in children's friendship training programme for their children with autism spectrum disorder: A qualitative inquiry. *Children*, 2021, 8(9), 763 (Indexed in SCOPUS).
43. Tan Tong Hock, **Ahmad Fauzi Mohd Ayub**, Aida Suraya Md Yunus & Nur Raidah Mohd Salim (2021). Dynamic Google SketchUp Software and Conventional Teaching Strategy of Students' Conceptual Knowledge and Procedural Knowledge in Learning Geometry. *International Journal of Human Resource Studies*. 11 (4S), 274-286 (Indexed in ERA).
44. Morsheda Parvin, Soaib Asimiran, & **Ahmad Fauzi Mohd Ayub** (2021). Impact of introducing e-commerce on small and medium enterprises—a case on logistics provider. *Society and Business Review*. (Indexed in SCOPUS).
45. Alam, G.M., Parvin, M., **Ayub, A.F.B.M.**, Kader, R. and Rahman, M.M. (2021), Does an MBA degree advance business management skill or in fact create horizontal and vertical mismatches?, *Business Process Management Journal*, 27 (4), 1238-1255. (Indexed in SCOPUS).
46. Abdullahi, M., **Mohd Ayub, A.F.**, Sulaiman, T. & Abdul Manaf, U.K. (2021). Predicting mathematics students' continuance intention toward learning mathematics. *Asian Journal of University Education (AJUE)*, 17(3), 192-202. (Indexed in SCOPUS).
47. Bakar, N. A., **Ayub, A. F. M.**, Ahmad, N. A., & Abdullah, S. I. S. S. (2021). Mathematics Achievement: The Relationship between student engagement, parental involvement, and peer influence. *International Journal of Academic Research in Business and Social Sciences*, 11(5), 496–513. (Indexed in ERA).
48. Ismail, K. M., **Ayub, A. F. M.**, & Subramanian, R. H. T. S. (2021). Effect of environmental education modul towards pupils' knowledge and behaviour intention among primary pupils. *International Journal of Academic Research in Business and Social Sciences*, 11(7), 402–407. (Indexed in ERA).
49. Gholami, H, **Mohd Ayub, A.F.** & Md. Yunus, A.S. (2021) Improving mathematics lecturers' pedagogical content knowledge through lesson study. *The International Journal of Science, Mathematics and Technology Learning*, 28(2), 53-71. (Indexed in SCOPUS).
50. Gholami, H, **Mohd Ayub, A.F.** Md. Yunus, A.S. & Kamaruddin, N (2021). Impact of lesson study on mathematics anxiety and mathematics achievement of Malaysian foundation programme students. *International Journal of Evaluation and Research in Education (IJERE)*, 10(3), 912-920. (Indexed in SCOPUS).
51. Gholami, H, **Mohd Ayub, A.F.** & Md. Yunus, A.S. (2021) Improving mathematics lecturers' content knowledge through lesson study. *Mathematics teaching Research Journal*, 13(2), 85-106. (Indexed in SCOPUS).
52. Gholami, H., **Ayub, A.F.M.**, Yunus, A.S.M. (2021). Analysis of the Mathematics Function Chapter in a Malaysian Foundation Level Textbook Adopted by a Public University *Mathematics Teaching-Research Journal*, 2021, 13(3), 81–98 (Indexed in SCOPUS).
53. Ong, S.Y. Roslan, S. Ahmad, N.A. **Ayub, A.F.M.** & Ping, C.L. Zaremozhzabieh, Z. & Ahrari, S. (2021). A mixed-methods evaluation of parent-assisted children's friendship training to

SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)

- improve social skills and friendship quality in children with autism in Malaysia. *Int. J. Environ. Res. Public Health*, 2021(18), 2566. (Indexed in SCOPUS).
54. Badrun Kartowagiran, Syukrul Hamdi, Edi Istiyono, **Ahmad Fauzi Mohd Ayub**, Sintha Sih Dewanti, (2021). Integrating the 21st Century Character Values for Elementary School Students. *Ikogretim Online - Elementary Education Online*, 20(2), 33-43. (Indexed in SCOPUS).
55. Abu Bakar, S., Salim, N.R., **Mohd Ayub, A.F** & Gopal, K. (2021). Success Indicators of Mathematical Problem-Solving Performance Among Malaysian Matriculation Students. *International Journal of Learning, Teaching and Educational Research*. 20(3), 97-116, (Indexed in SCOPUS).
56. Abu Bakar, N., **Mohd Ayub, A.F.**, Ahmad, N.A. Syed Abdullah, S.I.S. (2021). Student Engagement as the Factor of Math Mastery in University: The Relationship Between Social Factor and Learning Practices. *Turkish Journal of Computer and Mathematics Education*. 12(6), 2190-2203. (Indexed in SCOPUS).
57. Karim, A. A. A., Abdullah, S., **Ayub, A. F. M.**, & Sharaai, A. H. (2021). Teacher Training as a Means to Instill Sustainable Environmental Behaviour among Future Teachers: A Systematic Literature Review. *International Journal of Academic Research in Business and Social Sciences*, 11(4), 165-180. (Indexed in ERA).
58. Karim, A. A. A., Abdullah, S., **Ayub, A. F. M.**, & Sharaai, A. H. (2021). Critical Success Factors of Knowledge on Sustainability in Malaysian Higher Education. *Turkish Journal of Computer and Mathematics Education*. 12 (5), 74-83. (Indexed in SCOPUS).
59. Mahmud, M.S., Sulaiman, T., **Mohd Ayub, A. F.**, & Md. Yunus, A.S. (2021). Implementation of Oral Questioning in Assessing Student Learning in Mathematics Teaching in Primary Schools *Turkish Journal of Computer and Mathematics Education*. 5 (2021), 137-143. (Indexed in SCOPUS).
60. Zakaria, N.S., Subarimaniyam, N., Wan Jaafar, W.M., **Mohd Ayub, A.F** & Saripan, M.I. (2020), Conceptualization and initial measurement of counseling ethics competency: the influence of spirituality and self-efficacy, *European Journal of Training and Development*, (Indexed in SCOPUS).
61. Kathiresan Gopal, Nur Raidah Salim & **Ahmad Fauzi Mohd Ayub** (2020). Malaysian Undergraduates' Perceptions of Learning Statistics: Study on Attitudes towards Statistics using Fuzzy Conjoint Analysis. *ASM Sc. J.*, 13(2020), 2 – 7. (Indexed in SCOPUS).
62. Mohd Roslan, N.A.N., **Mohd Ayub, A. F.**, & Ghazali, N. (2020). Predictor of Instant Messaging Use among Students for Academic Purpose. *International Journal of Interactive Mobile Technologies (IJIM)*. 14(15), 195-206. (Indexed in SCOPUS).
63. Koundyannan, T., Abdul Kadir, S., Basri, R., **Mohd Ayub, A.F**. (2020). Predictors of School Effectiveness: School Culture and Climate of Sekolah Kebangsaan Malaysia. *International Journal of Academic Research in Business and Social Sciences*, 10(11), 866-878 (Indexed in ERA).
64. Ogbodoakum, N., **Ayub, A.F.M.**, & Zainal Abiddin, N. (2020). The Role of Peer Support, Superior Support, Training Self-Efficacy, Training Needs and Opportunity to Use on Readiness

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- to Participate in Training Among Civil Servants in Nigeria. International Journal of Academic Research in Business and Social Sciences, 10(12), 868-887 (Indexed in ERA).
65. Ghazali, N., Nordin, M.S. Abdullah, A., **Ayub, A.F.M.** (2020) The Relationship between Students' MOOC-Efficacy and Meaningful Learning. Asian Journal of University Education 16 (3), 89-101 (Indexed in SCOPUS).
66. Aziz, R. A., Manaf, U. K. A., **Ayub, A.F.M.**, & Jafri, N. (2020). The Relationship Between Teachers' Knowledge and The Implementation of Project Based Learning at Vocational College. International Journal of Academic Research in Business and Social Sciences, 10(6), 766–787. (Indexed in ERA).
67. Mohd Azarul Mohd Mokhtar, **Ahmad Fauzi Mohd Ayub**, Rozita Radhiah Said, Siti Salina Mustakim (2020). Analysis of Year Four Pupils' Difficulties in Solving Mathematical Problems Involving Fraction. International Journal of Academic in Research Business and Social Sciences, 9(11), 1560-1569. (Indexed in ERA).
68. Noorashikim Noor Ibrahim, **Ahmad Fauzi Mohd Ayub** & Aida Suraya Md. Yunus (2020). Impact of Higher Order Thinking Skills (HOTS) Module Based on the Cognitive Apprenticeship Model (CAM) on Student's Performance. International Journal of Learning, Teaching and Educational Research. 19 (7), 246-262, (Indexed in SCOPUS).
69. Suriati Abu Bakar & **Ahmad Fauzi Mohd Ayub** (2020). Relationship Between Attitude Towards Mathematics and Mathematical Problem-Solving Achievement Among Pre-University Students in Malaysia. ASM Sc. J., 13(2020), 1 – 5. (Indexed in SCOPUS).
70. Tahereh Kaboodvand, Tajularipin Sulaiman & **Ahmad Fauzi Mohd Ayub** (2020). A Study on the Relationship between Students' Computer Self-Efficacy and Use of ICT in Learning Mathematics: The Level of Students' Mathematics Ability as a Mediator. ASM Sc. J., 13 (2020), 1 – 10. (Indexed in SCOPUS).
71. Fatimah Ramli, **Ahmad Fauzi Mohd Ayub**, Hutkemri Zulnaidi, Nur Raidah Salim & Kathiresan Gopal (2020). Impact of Problem-based Learning Strategy on Students' Mathematical Value among Secondary School Students. Universal Journal of Educational Research 8(8), 3295-3302. (Indexed in SCOPUS).
72. Muhammad Sofwan Mahmud, Aida Suraya Md. Yunus, **Ahmad Fauzi Mohd Ayub**, & Tajularipin Sulaiman (2020). Enhancing Mathematical Language through Oral Questioning in Primary Schools. International Journal of Learning, Teaching and Educational Research, 19(5), 395-410. (Indexed in SCOPUS).
73. Fazilah Razali, Umi Kalthom Abdul Manaf & **Ahmad Fauzi Mohd Ayub** (2020). STEM Education in Malaysia towards Developing a Human Capital through Motivating Science Subject. International Journal of Learning, Teaching and Educational Research 19(5) 411-422 (Indexed in SCOPUS).
74. Tamil Selvan Subramaniam, Melor Md. Yunus , **Ahmad Fauzi Mohd Ayub**, Mohd.Shafie Rosli, Siti Zuraida Maaruf, Aliff Nawati, Sarala Thulasi Palpanadan (2020). Important Elements for A Framework in Designing A Mobile Learning for English Language Listening And Speaking Skills. Journal of Critical Reviews. 7(6), 312-315. (Indexed in SCOPUS).

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75. Norliyah Sulaiman, **Ahmad Fauzi Mohd Ayub**, Aida Suraya Md. Yunus, Hutkemri Zulnaidi, Umi Kalthom Abdul Manaf (2020). Implementation of HOTS in Mathematics: Through the Perspective of Teachers. *Journal of Critical Reviews*. 7(13), 575 – 584 (Indexed in SCOPUS).
76. Muhammad Abdullahi, **Ahmad Fauzi Mohd Ayub**, Tajularipin Sulaiman, Umi Kalthum Abdul Manaf (2020). Analysis of Perceived Usefulness and Satisfaction as Factors Influencing Learning Continuance Intention: A Systematic Review. *Journal of Critical Reviews*. 7(13), 519 – 525 (Indexed in SCOPUS).
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15. Norhafizah Ismail, **Ahmad Fauzi Mohd Ayub**, Aida Suraya Md Yunus, & Habibah Ab Jalil (2016). Harmonisation of Blended Learning Design in True Practice and Allocated Courses via CIDOS LMS to Nurture Teaching and Learning Engagement. In Aini Ideris, Renuganth Varatharajoo, Fairuz Izzudin Romli, Ab. Rahim Bakar & Eugene Fransua Arokiasamy (Eds). Borderless in Open Access Education. Serdang : UPM.
16. **Ahmad Fauzi Mohd Ayub**, Tengku Mohd Tengku Sembok & Marina Ismail (2010). Pembangunan Perisian Kursus MACCC menggunakan pendekatan pembelajaran masteri. Pembangunan dan Penilaian Kursus Multimedia. Editor: Ahmad Fauzi Mohd Ayub & Aida Suraya Md. Yunus Penerbit UPM.
17. Wan Hamzari Wan Hamid, **Ahmad Fauzi Mohd Ayub** & Mokhtar Hj. Nawawi (2010) Penggunaan Internet Dalam Kalangan Pelajar Sains dan Sains Sosial di Institusi Pengajian Tinggi Pendidikan Elektronik Ke arah Persekitaran Pembelajaran Imersif . Editor : Mohd Arif Ismail, Rozhan Md. Idrus, Rosnaini Mahmud, Mohd Sahandri gani Hamzah. Penerbit Pearson.
18. Nurul Fatiha Che Jamin @ Abd. Hamid, Wan Zah Wan Ali & **Ahmad Fauzi Mohd Ayub** (2010). Faktor Yang Mempengaruhi Interaksi Pelajar Dalam Persekitaran Portal Pendidikan Pendidikan Elektronik Ke arah Persekitaran Pembelajaran Imersif. Editor : Mohd Arif Ismail, Rozhan Md. Idrus, Rosnaini Mahmud, Mohd Sahandri Gani Hamzah. Penerbit Pearson.

SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)

19. Sarojini Devi a/p Algaretnam, Kamariah Abu Bakar, Rohani Ahmad Tarmizi, Mohd Majid Konting & **Ahmad Fauzi Mohd Ayub** (2010). Dinamik Makmal Sains dan Pemerolehan Kemahiran Proses Sains dalam Kalangan Pelajar Perempuan Tingkatan Empat Sains. Isu Pengurusan, Pengajaran & Pembelajaran dalam Pendidikan Sains. Editor : Ahmad Fauzi Mohd Ayub & Nurzatul Shima Kamaruddin. Penerbit UPM.
20. **Ahmad Fauzi Mohd Ayub**, Hasnah Tang King Yee, Wan Marzuki Wan Jaafar, Wong Su Luan & Wan Zah Wan Ali. (2010). Sikap Pelajar Terhadap Penggunaan Portal Sistem Pengurusan Pembelajaran. Pendidikan Untuk Keperibagaaian pelajar. Editor: Rohaty Mohd Majzub, kamisah Osman & Sharifah Nor Puteh. Penerbit UKM
21. Marina Ismail, Tengku Mohd Tengku Sembok & **Ahmad Fauzi Mohd Ayub** (2010). Perisian Kursus Multimedia (BACA) untuk Pembelajaran Bahasa Melayu Peringkat Pra Sekolah Menggunakan Pendekatan Vygotsky. Pembangunan dan Penilaian Kursus Multimedia. Editor: Ahmad Fauzi Mohd Ayub & Aida Suraya Md. Yunus (Penerbit UPM)
22. **Ahmad Fauzi Mohd Ayub**, Tengku Mohd Tengku Sembok & Marina Ismail (2010). Pembangunan Perisian Kursus MACCC menggunakan pendekatan pembelajaran masteri. Pembangunan dan Penilaian Kursus Multimedia. Editor: Ahmad Fauzi Mohd Ayub & Aida Suraya Md. Yunus Penerbit UPM.
23. Mat Rofa Ism`ail, Rohani Ahmad Tarmizi, **Ahmad Fauzi Mohd Ayub**, Norbaizura Yusof & Sharifah Kartini Said Hussain (2012). Dalam Mat Rofa Ismail (Pytn). Seni Warisan Melayu : Satu Manifestasi Etnomatematik. Rampaian Etnomatematik (pp 29-45). Selangor : UPM.
24. Mat Rofa Ismail, Rohani Ahmad Tarmizi, Habsah Ismail, Wan Zah Wan Ali, Rohaizat Abd. Wahab, Nur Sumirah Mohd Dom, Sharifah Kartini Said Hussain, Mohammad Alinor Abd. Kadir, **Ahmad Fauzi Mohd Ayub** & Baharuddin Zainal & Fara Nadia Zaiuddin (2012). Dalam Mat Rofa Ismail (Pytn). Pendokumentasian : Etnomatematik Sebagai Warisan Pemikiran Ummah. Rampaian Etnomatematik (pp 77-100). Selangor : UPM.
25. Wan Hamzari Wan Hamid, **Ahmad Fauzi Mohd Ayub** & Mokhtar Hj. Nawawi (2012). Dalam Shaffe Mohd Daud & Ahmad Fauzi Mohd Ayub (Pytn). Penggunaan Internet bagi Aktiviti Akademik dalam Kalangan Pelajar Universiti dari Perspektif Gender. Aplikasi Teknologi Maklumat dan Komunikasi dalam Pendidikan. (pp 13-20). Selangor : UPM.
26. Rohayati Ismail, **Ahmad Fauzi Mohd Ayub** & Othman Talib (2012). Dalam Shaffe Mohd Daud & Ahmad Fauzi Mohd Ayub (Pytn). Sikap Guru Sains dan Matematik Terhadap Penggunaan Teknologi Maklumat dan Komunikasi dalam Pengajaran dan Pembelajaran. Aplikasi Teknologi Maklumat dan Komunikasi dalam Pendidikan. (pp 44 -56). Selangor : UPM
27. Norliza Ibrahim, Wong Su Luan & **Ahmad Fauzi Mohd Ayub** (2012). Faktor-Faktor Yang Mempengaruhi Sikap Pelajar Terhadap Komputer. Dalam Shaffe Mohd Daud & Ahmad Fauzi Mohd Ayub (Pytn). Aplikasi Teknologi Maklumat dan Komunikasi. (pp 57 - 71). Selangor : UPM.
28. Shamsul Baharim Mohamed Anwar, **Ahmad Fauzi Mohd Ayub**, Wan Marzuki Wan Jaafar, Wong Su Luan (2012). Dalam Shaffe Mohd Daud & Ahmad Fauzi Mohd Ayub (Pytn). Profil Pengguna Laman Facebook dalam kalangan Pelajar Universiti. Aplikasi Teknologi Maklumat dan Komunikasi dalam Pendidikan. (pp 117 - 128). Selangor: UPM.

SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)

	<p>29. Ng Haw Kuean, Wan Marzuki Wan Jaafar, Ahmad Fauzi Mohd Ayub (2012). Kesejahteraan kaunselor Menurut Perspekti Teori Roda Kesejahteraan. Dalam Wan Marzuki Wan Jaafar, Ahmad Fauzi Mohd Ayub & Syaliza Adiha Tewiran (Pytn). Isu dalam Perkhidmatan Bimbingan dan Kaunseling (14-34). Neurox Publishing House.</p> <p>30. Suzana Harun, Wan Marzuki Wan Jaafar & Ahmad Fauzi Mohd Ayub (2012). Isu dalam Efikasi Swadiri Kaunselor. Dalam Wan Marzuki Wan Jaafar, Ahmad Fauzi Mohd Ayub & Syaliza Adiha Tewiran (Pytn). Isu dalam Perkhidmatan Bimbingan dan Kaunseling (pp. 35 - 49). Neurox Publishing House.</p>
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G. Students Supervision

Name	Program	Role	Year Graduated	Thesis Title
Dr. Sousan Baleghi Zadeh	PhD (Educational Technology)	Main Supervisor	2014	Using technology-to performance chain model to explore the impact of learning management system on performance of higher education students.
Dr. Hajar Ghandirian NajafAbadi	PhD (Educational Technology)	Main Supervisor	2015	Impact of role assignment on tertiary distance education students' participation in online discussions and its consequence on grade performance.
Dr. Syaza Hazwani Zaini	PhD (Educational Technology)	Main Supervisor	2017	Faktor penentu penerimaan, penggunaan dan keterlibatan aplikasi mudah alih MClass dalam kalangan pelajar universiti awam Malaysia Predictor factors on students' acceptance, usage and engagement of MClass mobile application among Malaysian public university students.\
Dr. Noorhafizah Ismail	Phd (Educational Technology)	Main Supervisor	2018	Predicting the technology utilisation of learning management system (LMS) among Malaysian polytechnic students.
Dr. Tahereh Kaboodvand	PhD (Instructional Design and Technology in Mathematics)	Main Supervisor	2017	Factors influencing students' engagement with and use of ICTs in learning mathematics in secondary schools in Iran.
Dr. Fatimah Ramli	PhD (Pedagogy in Mathematics Education)	Main Supervisor	2018	Effects of problem-based learning on students' cognitive performance and affective paradigm in learning mathematics for secondary learners.
Dr. Noorashikim Noor Ibrahim	PhD (Pedagogy in Mathematics Education)	Main Supervisor	2018	Development and evaluation of effects of HOTS module framed by cognitive apprenticeship model for measurement and geometry among year 5 pupils.
Dr. Mohammed Ahmed Ali Alshaikhi	Phd (Educational Technology)	Main Supervisor	2018	Factors that influence the readiness in utilizing e- learning for teaching among 15 Saudi academy of civil aviation academic staff

Name	Program	Role	Year Graduated	Thesis Title
Dr. Kabu Madu (Graduated)	Phd (Educational Technology)	Main Supervisor	2020	Predictive Modeling of e-Learning utilization among lecturers in higher education institutions.
Dr. Muhammad Abdullahi (Graduated)	PhD (Pedagogy in Mathematics Education)	Main Supervisor	2021	Predictive model toward factors influencing continuance intention of studying mathematics among mathematics students of Nigeria certificate of education in Northwest Nigeria.
Dr. Nora'asikin Abu Bakar (Graduated)	PhD (Pedagogy in Mathematics Education)	Main Supervisor	2021	Model peramal keterlibatan pelajar dalam matematik dalam kalangan pelajar universiti <i>Predictive model on influencing students' engagement in Mathematics among university students.</i>
Dr. Azarul Mokhtar (Graduated)	PhD (Pedagogy in Mathematics Education)	Main Supervisor	2022	Keberkesanan modul penyelesaian masalah berayat terhadap pencapaian murid tahun empat dalam matematik sekolah rendah Effectiveness of penyelesaian masalah berayat module on student achievement in primary school mathematics
Dr. Rosfuzah Roslan (Graduated)	Phd (Educational Technology)	Main Supervisor	2023	Predictive Model for Factors Influencing Continuance Usage Intention among Malaysian Diploma Students Towards a Gamified E-Quiz Mobile Application
Dr. Mohd Shahridwan Ramli	PhD (Pedagogy in Mathematics Education)	Main Supervisor	2024	Effect of I-promaths module towards mathematics achievement, thinking skills, motivation and student engagement in calculus among matriculation students.
Wan Hamzari Wan Hamid (Graduated)	Master of Science (Educational Technology)	Main Supervisor	2013	Tahap ketagihan internet dan hubungannya dengan pencapaian akademik, harga diri dan pengurusan masa dalam kalangan pelajar Universiti Putra Malaysia. <i>Level of internet addiction and the relationship with academic performance, self-esteem and time management among Universiti Putra Malaysia students.</i>
Rohayati Ismail (Graduated)	Master of Science (Educational Technology)	Main Supervisor	2013	Faktor peramal kepada sikap guru terhadap penggunaan Teknologi Maklumat Dan Komunikasi (TMK) dalam pengajaran dan pembelajaran <i>Factors predicting teachers' attitude towards the use of Information Communication and Technology in teaching and learning.</i>
Norasyikin Ibrahim (Graduated)	Master of Science (Educational Technology)	Main Supervisor	2017	Kesan perantara perilaku tabiat pelajar dan hubungan antara faktor peramal terhadap perilaku penggunaan sebenar telefon bimbit dalam aktiviti akademik. <i>Mediating effects on habitual behavior and its relationship between predictive factors of actual mobile phone utilization in academic activities.</i>
Dansarki Isiyaku Dauda (Graduated)	Master of Science (Educational Technology)	Main Supervisor	2015	Predictive modeling of ICT usage among business education teachers in tertiary colleges of Northwestern Nigeria

Name	Program	Role	Year Graduated	Thesis Title
Azlin Abd Jalal	Master of Science (Pedagogy in Mathematics Education)	Main Supervisor	2015	Predictive modeling of the acceptance of ebook among mathematics teachers in Terengganu
Chiang Yang Chiou	Master of Science (Educational Technology)	Main Supervisor	2015	Factors influencing e-learning experience among undergraduates at Universiti Putra Malaysia
Royati Abdul Saha	Master of Science (Mathematics Education)	Main Supervisor	2015	Keberkesanan penggunaan perisian GeoGebra terhadap pencapaian murid berbeza kebolehan ruang visual dalam pembelajaran koordinat geometri <i>Effects of using GeoGebra on students' achievement with different spatial visualization abilities in learning geometry coordinate</i>
Jazihan Mahat	Master of Science (Educational Technology)	Main Supervisor	2013	Faktor yang mempengaruhi perilaku niat m- Pembelajaran dalam kalangan pelajar Fakulti Pengajian Pendidikan, Universiti Putra Malaysia <i>Factors influencing the behavioral intention of m- learning among students of Faculty Educational Studies, Universiti Putra Malaysia</i>
Nadia Hidayah Mohd Ariffin	Master of Science (Educational Technology)	Main Supervisor	2014	Faktor yang mempengaruhi efikasi swadiri komputer dalam kalangan pelajar sekolah menengah di Kelantan. <i>Factors influencing computer self-efficacy among secondary school students in Kelantan.</i>
Afizal Md Sahir	Master Science (Technical and Vocational Education)	Main Supervisor	2014	Kesan penggunaan video dalam pembelajaran amali masakan dan sikap murid terhadap mata pelajaran catering dan penyajian <i>The effective use of video in culinary practical learning and students' attitudes towards catering and presentation subject.</i>
Nurul Hafiza Ismail	Master of Science (Educational Technology)	Main Supervisor	2015	Faktor peramal hasrat perlakuan terhadap internet dalam kalangan murid sekolah menengah. <i>Predictive factors on students' behavioral intention towards internet among secondary school students.</i>
Wan Nurul Nazirah Meor Zamari	Master of Science (Educational Technology)	Main Supervisor	2018	Effect of a gamified two-dimensional (2D) role-playing computer game on motivation and engagement towards its intention to use among undergraduate students
Daneji Aisha Aminu	Master of Science (Educational Technology)	Main Supervisor	2018	Predictive model on factors influencing continuance intention in massive open online course (MOOC) among higher education students.
Suriati Abu Bakar	Master of Science (Mathematics Education)	Main Supervisor	2018	Predictive model towards factors influencing mathematical problem-solving performance among Malaysian matriculation students.

Name	Program	Role	Year Graduated	Thesis Title
Ellie Esterina Mohd Fasih.	Master of Science (Educational Technology)	Main Supervisor	2023	Faktor peramal penggunaan analitik pembelajaran google classroom (DELIMA) dalam kalangan guru sekolah menengah
Ainur Yusra Mohd Nazri	Master of Science (Educational Technology)	Main Supervisor	2023	Keberkesanan Modul Geomar3 dengan Realiti Terimbuh Terhadap Pencapaian Geometri Murid Tahun 4 Sekolah Rendah The Effectiveness of Geomar3 Module with Augmented Reality on Geometry Achievement Of Year Four Primary School Students

H. Research project Grant)					
Grant Name	Project Title	Role	Year	Source of fund	Status
Research University Grant Scheme	Pembangunan Dan Penerimaan Pelajar Terhadap Penggunaan Portal untuk Pengajaran Dan Pembelajaran Matematik Kalkulus di Peringkat Sekolah Menengah Dan Institusi Pengajian Tinggi/Swasta RM :65705.00	Main researcher	2007	UPM	Completed
E-science	Enhancing Visualization Through Use of Interactive Multimedia for Mathematics Learning RM :33000.00	Member	2007	MOSTI	Completed
Science fund	Comparison of Instructional Efficiency of Dynamic Software on Mathematics Learning at The Secondary Level	Member	2007	MOSTI	Completed
Fundamental Research Grant Scheme (FRGS)	Internet Attitudes and Usage among StudentsTeacher	Member	2007	MOSTI	Completed
Science Fund	Characterizing key features of student-centered learning environments in Malaysian Institutions of Higher education: Its Implication on the teaching and learning process.	Member	2007	MOSTI	Completed
Research University Grant Scheme	Transforming GIS Mapping on Children at Risk in The Malaysian Socioeconomic Educational Environment	Member	2007	UPM	Completed
Research University Grant Scheme	Enhancing Visualization Through use of Interactive Multimedia For mathematics learning	Main researcher	2010	UPM	Completed
Exploring Research Grant Scheme	Exploring Mathematical Enculturation in National, National Type and National Religious Schools in Malaysia and Its Impact on Mathematics Achievement	Member	2011/2013	ERGS	Completed
Fundamental Research Grant Scheme (FRGS)	Design of Adaptive Learning to Optimize Instructional Efficiency in Mathematics Learning.	member	2011-2014	MOSTI	Completed

H. Research project Grant)					
Grant Name	Project Title	Role	Year	Source of fund	Status
Geran insentif Penyelidikan dalam pengajaran dan Pembelajaran (GIPP)	The effect of Technology Learning Environment on Self-regulating Engagement among Undergraduates using PutraLMS at Universiti Putra Malaysia	Member	2012-2014	UPM	completed
Research University Grant Scheme (RUGS)	Effectiveness of Islamic Psycho-Sexual Cyber Intervention on Marital Conflict and Sexual Satisfaction	Member	2012 - 2014	UPM	completed
Research University Grant Scheme (RUGS)	Modelling Acceptance eBook among Mathematics Teachers in Terengganu RM :15000.00	Main researcher	2013 - 2015	UPM	Completed
Research University Grant Scheme (RUGS)	Factor Affecting Knowledge sharing Behaviour in Virtual Collaborative Teams Among Distance Learners RM :15000.00	Main researcher	2013 - 2015	MOSTI	Completed
Exploring Research Grant Scheme	Exploring the Professional Development of Inculcating and Incorporating Mathematics Values in Teaching Primary and Secondary Mathematics	Member	2013-2015	ERGS	Completed
Fundamental Research Grant Scheme (FRGS)	Assessment of Primary and Secondary Mathematics Teachers' Affective Paradigm and Higher Order Thinking Skills (HOTS) Ability: A Brain-Based Instructional Strategies Perspective	Member	2013-2015	MOSTI	Completed
Fundamental Research Grant Scheme (FRGS)	A model for understanding the potential of using the multiple intelligence approach and Higher Order Thinking Skills in Assessing Student.	Member	2014 - 2017	MOSTI	On-going
Trans-Disiplinary	A new approach using Virtual Simulation technology to improve medical students learning of the central nervous system (CNS)	Main researcher	Dis 2015 – 31 Dis 2018	MOSTI	On-going
Fundamental Research Grant Scheme (FRGS)	Predictive Models of Mathematics Performance based on Mathematics Engagement Among Malaysian Secondary School Students RM :50000.00	Main researcher	2012-2014	FRGS	Completed
GP-IPS - Geran Putra Inisiatif Pelajar Siswazah	Development and Evaluation of Effects of HOTS-Based Module Frame by Cognitive Apprenticeship Model for measurement and Geometry among year five Pupils	Main researcher	Disember 2015 – 1 Disember 2017.	Putra Grant	On-going
RACE	Development of serious game in retaining Engineering Vocabulary for Students at Tertiary level (Research Acceleration Collaborative Effort,	Member	Februari 2014 – 31 Januari 2016.	RACE	Completed
Geran Swasta/Antarabangsa (SWASTA)	Kajian keberkesanan program susu 1 Malaysia (PS1M)	Member	November 2013 – 8 Februari 2015.	KPM	completed

Research project Grant)					
Grant Name	Project Title	Role	Year	Source of fund	Status
GP-IPS - Geran Putra Inisiatif Pelajar Siswazah	Predicting satisfaction in learning management system use among teachers in Malaysiasecondary schools. RM :15000.00	member	Julai - 2014 – Oktober - 2017	UPM	completed
GP-IPS - Geran Putra Inisiatif Pelajar Siswazah	Model Pelaksanaan Kemahiran Berfikir Aras Tinggi (KBAT) dalam Matematik di Sekolah Menengah RM :15000.00	member	Disember 2016 – Mei 2019	UPM	completed
Fundamental Research GrantScheme (FRGS)	A model for understanding the effects of e- intelligence, intelligence, social support on self-efficacy and health behaviour RM :52000.00	member	Ogos - 2016 Januari 2019	UPM	completed
Geran putraberimpak	Measuring Counselling Ethics Competencyamong Malaysian Registered Counsellors RM :109200.00	Member	Sep - 2017 -Nov - 2021	UPM	completed
Geran Insentif Penyelidikan Untuk Pengajaran Dan Pembelajaran (GIPP)	Enhancement of student learning outcome through experiential learning activities in foodscience course (RM :15000.00)	member	Nov-2017 – Nov -2019	UPM	completed
Geran Swasta/Antarabangsa (SWASTA)	Kajian Keberkesanan Program Patrol Denggi di Sekolah RM :52000.00	member	Julai 2016 – April 2017	KPM	completed
Geran Insentif Penyelidikan Untuk Pengajaran Dan Pembelajaran (GIPP)	Role Play and 360 Degree Evaluation: The Innovative Assessment Methods to Measure Understanding of Fundamental Concept of Veterinary Virology and to Up-scaling Students' Soft Skills RM :12000.00	member	Nov 2017 – Okt 2019	UPM	Completed
Geran Putra Individu BerprestasiTinggi (GP-IBT)	Primary And Secondary Mathematics Teachers Knowledge and Affect To Embark On 21st Century Skills As Aspired By The Nation RM :163350.00	member	1-11-2013 - 31-10-2015	UPM	Completed
Fundamental Research Grant Scheme (FRGS)	Karakteristik Murid yang Mengikuti AliranTahfiz RM :75800.00	member	1-12-2013 - 31-05-2017	MOSTI	Completed
Geran Insentif Penyelidikan Untuk Pengajaran Dan Pembelajaran (GIPP)	Developing a "Plug-and-Play" Prototype pf Augmented Reality Embedding Gamification Learning Kit: A Gamified Approach in Classroom Instruction RM :10000.00	member	1-12-2016 - 30-11-2018	UPM	Completed
GP-IPM - Geran Putra Inisiatif PutraMuda	Understanding the Factors that InfluenceIntegration of Technology to Promote HigherOrder Thinking Skills in Mathematics Students RM :50000.00	member	2-4-2018 02-03-2022	UPM	Completed

H. Research project Grant)					
Grant Name	Project Title	Role	Year	Source of fund	Status
GP-IPM - Geran Putra Inisiatif PutraMuda	The competency of higher education educators in integrating education for sustainable development (ESD) in their curriculum RM :40350.00	member	15-12-2018 – 14-04-2023	UPM	On-going
Geran Higher Education PolicyStudies (HEPS)	Kajian Keberkesanan Tadbir Urus DanImpak Ke Atas Dua Program Biasiswa KPM	member	02-12-2019 – 31-12-2021	UPM	On-going
GP-IPM - Geran Putra Inisiatif PutraMuda	Predictive Model on Integrating social mediaTools towards Students' Acceptance,Engagement and Academic Performance usingPeer Learning Strategy in Higher Education RM :39000.00	member	21-01-2024 – 22-12-2024	UPM	On-going
GP-IPM - Geran Putra Inisiatif PutraMuda	Model of Integration Between Learning Style and Active Learning Towards Enhancing Blended Learning Curriculum AmongUndergraduate Students. RM :30500.00	member	1-11-2020 - 30-11-2023	UPM	On-going
GP-IPM - Geran Putra Inisiatif PutraMuda	Modeling of Student Experiential e-Learning inHigher Learning Institutions RM :28810.00	member	28-12-2020 -28-01-2024	UPM	On-going
Geran Penyelidikan Luar	Preparation of sustainable education modelserving the need of emergency period RM :315742.50	member	1-8-2021 - 30-09-2022	UPM	completed
Geran Swasta/ Antarabangsa (SWASTA)	CSM – INSPEM, UPM: Security andAwareness Program RM :49980.00	member	27-11-2021 -26-10-2022		On-going
GP-IPM - Geran Putra Inisiatif PutraMuda	Investigating university mathematics students' self-regulated learning approach in online learning environment RM :35000.00	member	1-11-2022 - 31-10-2024	UPM	On-going
GP-IPM - Geran Putra Inisiatif PutraMuda	Review and evaluation of policies and procedures on outdoor education involvingwater-related activities. RM :20000.00	member	1-10-2022 - 30-09-2024	UPM	On-going
GP - Geran Putra(GP-PUTRA)	Predicting Students' Continuance UsageIntention Towards Using MOOC RM :48570.00	Main Researcher	April 2018 - Mac 2022	UPM	On-going
Geran Insentif Penyelidikan Untuk Pengajaran Dan Pembelajaran (GIPP)	Pembangunan Modul B-Compthink berasaskan permainan menggunakan aplikasi mudah alih dan kesannya terhadap pencapaian murid tingkatan satu sekolah menengah di Selangor	Main Researcher	2023 - 2025	UPM	On-going
GP-IPS - Geran Putra Inisiatif Pelajar Siswazah	Human Factors Mediates Between Organizational and Social Factor With Cybersecurity Awareness RM15000	Main Researcher	2023 - 2025	UPM	On-going
Fundamental Research GrantScheme (FRGS)	The framework for mathematical modelling instruction of mathematical modelling topic among form five students in Institut Tahfiz RM77,464	member	2024-2026	KPT	On-going

H. Research project Grant)					
Grant Name	Project Title	Role	Year	Source of fund	Status
MRUN Research Officer Research Grant Scheme (Mrogs)	Predictive Models for Factors Influencing Cybersecurity Awareness Among Mathematics Students In Malaysian Public Universities RM 30,000.00	member	2024-2026	UPM	On-going
GP-IPM - Geran Putra Inisiatif PutraMuda	A Development of Student Engagement Model for Gamified Learning Environment RM 20,000.00	member	2024-2026	UPM	On-going
GP-IPM - Geran Putra Inisiatif PutraMuda	Development and Validation Modelling Self-Efficacy Scale (MSES) for Secondary Mathematics Teacher RM 30,000.00	member	2024-2026	UPM	On-going