

# **CURRICULUM VITAE**



**Prof. Dr. Ahmad Fauzi bin Mohd Ayub**

| <b>A. BUTIR-BUTIR PERIBADI</b> ( <i>Personal Details</i> )                     |   |  |                                     |
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| Nama Penuh ( <i>Full Name</i> )  | Ahmad Fauzi Mohd Ayub                             |  | Gelaran ( <i>Title</i> ): Prof. Dr. |
| No. MyKad / No. Pasport<br>( <i>Mykad No. / Passport No.</i> )<br>680421045365 | Warganegara<br>( <i>Citizenship</i> )<br>Malaysia | Bangsa<br>( <i>Race</i> )<br>Malay       | Jantina ( <i>Gender</i> )<br>Male   |
| Jawatan ( <i>Designation</i> )   | Profesor  | Tarikh Lahir<br>( <i>Date of Birth</i> ) | 21.4.1968                           |
| Hindex Scopus : 11<br>Total Citations : 475                                    | Hindex Google : 24<br>Total Citations : 2639      |  |                                     |

| Alamat Semasa ( <i>Current Address</i> ) | Jabatan/Fakulti ( <i>Department/Faculty</i> )  | E-mel dan URL ( <i>E-mail Address and URL</i> ) |
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|  | Department of Foundations of Education<br>Faculty of Educational Studies<br>Universiti Putra Malaysia<br><br>Tel: 03-89467913 / 0196646575<br>Fax: | e-mail:afmy@upm.edu.my                          |

| <b>B. KELAYAKAN AKADEMIK</b> ( <i>Academic Qualification</i> )            |   |                                   |   |
|---|---|-----------------------------------|---|
| Nama Sijil / Kelayakan<br>( <i>Certificate / Qualification obtained</i> ) | Nama Sekolah Institusi<br>( <i>Name of School / Institution</i> ) | Tahun<br>( <i>Year obtained</i> ) | Bidang pengkhususkan<br>( <i>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                              | Computer education  |

**D. 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        | 2003       | 2014     | Research/teaching |
| Faculty of Educational Studies | Prof. Madya     | 2014       | 2021     | Research/teaching |
| Faculty of Educational Studies | Profesor        | 2021       |          | Research/teaching |

**G. 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)**

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| Journal | <ol style="list-style-type: none"> <li>Ong,S.Y. Roslan,S. Ahmad, N.A. <b>Ayub, A.F.M.</b> Chen, L.P. &amp; 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).</li> <li>Tan Tong Hock, <b>Ahmad Fauzi Mohd Ayub</b>, Aida Suraya Md Yunus &amp; 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</li> <li>Morsheda Parvin, Soaib Asimiran, &amp; <b>Ahmad Fauzi Mohd Ayub</b> (2021). Impact of introducing e-commerce on small and medium enterprises—a case on logistics provider. Society and Business Review. (Indexed in SCOPUS).</li> <li>Alam, G.M., Parvin, M., <b>Ayub, A.F.B.M.</b>, 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).</li> <li>Abdullahi, M., <b>Mohd Ayub, A.F.</b>, Sulaiman, T. &amp; 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).</li> <li>Bakar, N. A., <b>Ayub, A. F. M.</b>, Ahmad, N. A., &amp; 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).</li> <li>Ismail, K. M., <b>Ayub, A. F. M.</b>, &amp; 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).</li> <li>Gholami, H, <b>Mohd Ayub, A.F</b> &amp; 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).</li> <li>Gholami, H, Mohd Ayub, A.F, Md. Yunus, A.S. &amp; 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).</li> <li>Gholami, H, Mohd Ayub, A.F &amp; Md. Yunus, A.S. (2021) Improving mathematics lecturers' content knowledge through lesson study. Mathematics teaching Research Journal, 13(2), 85-106. (Indexed in SCOPUS).</li> <li>Ong,S.Y. Roslan,S. Ahmad, N.A. Ayub, A.F.M. Ping, C.L. Zaremohzzabieh, Z. &amp; Ahrari, S. (2021). A mixed-methods evaluation of parent-assisted children's friendship training to improve social skills</li> </ol> |
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|  | <p>and friendship quality in children with autism in Malaysia. <i>Int. J. Environ. Res. Public Health</i>, 2021(18), 2566. <a href="https://doi.org/10.3390/ijerph18052566">https://doi.org/10.3390/ijerph18052566</a>. (Indexed in SCOPUS).</p> <p>11. Badrun Kartowagiran, Syukrul Hamdi, Edi Istiyono, Ahmad Fauzi Mohd Ayub, Sintha Sih Dewanti, (2021). Integrating the 21st Century Character Values for Elementary School Students. <i>Ikogretim Online - Elementary Education Online</i>, 20(2), 33-43. (Indexed in SCOPUS).</p> <p>12. Abu Bakar, S., Salim, N.R., Mohd Ayub, A.F &amp; Gopal, K. (2021). Success Indicators of Mathematical Problem-Solving Performance Among Malaysian Matriculation Students. <i>International Journal of Learning, Teaching and Educational Research</i>. 20(3), 97-116, (Indexed in SCOPUS).</p> <p>12. 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. <i>Turkish Journal of Computer and Mathematics Education</i>. 12(6), 2190-2203. (Indexed in SCOPUS).</p> <p>13. Karim, A. A. A., Abdullah, S., Ayub, A. F. M., &amp; Sharaai, A. H. (2021). Teacher Training as a Means to Instill Sustainable Environmental Behaviour among Future Teachers: A Systematic Literature Review. <i>International Journal of Academic Research in Business and Social Sciences</i>, 11(4), 165-180. (Indexed in ERA).</p> <p>14. Karim, A. A. A., Abdullah, S., Ayub, A. F. M., &amp; Sharaai, A. H. (2021). Critical Success Factors of Knowledge on Sustainability in Malaysian Higher Education. <i>Turkish Journal of Computer and Mathematics Education</i>. 12 (5), 74-83. (Indexed in SCOPUS).</p> <p>15. Mahmud, M.S., Sulaiman, T., Mohd Ayub, A. F., &amp; Md. Yunus, A.S. (2021). Implementation of Oral Questioning in Assessing Student Learning in Mathematics Teaching In Primary SchoolsTurkish Journal of Computer and Mathematics Education. 5 (2021), 137-143. (Indexed in SCOPUS).</p> <p>16. Zakaria, N.S., Subarimaniam, N., Wan Jaafar, W.M., Mohd Ayub, A.F. and Saripan, M.I. (2020), "Conceptualization and initial measurement of counseling ethics competency: the influence of spirituality and self-efficacy", <i>European Journal of Training and Development</i>, (Indexed in SCOPUS).</p> <p>17. Kathiresan Gopal, Nur Raidah Salim&amp; Ahmad Fauzi Mohd Ayub (2020). Malaysian Undergraduates' Perceptions of Learning Statistics: Study on Attitudes towards Statistics using Fuzzy Conjoint Analysis. <i>ASM Sc. J.</i>, 13(2020), 2 – 7. (Indexed in SCOPUS).</p> <p>18. Mohd Roslan, N.A.N., Mohd Ayub, A. F., &amp; Ghazali, N. (2020). Predictor of Instant Messaging Use among Students for Academic Purpose. <i>International Journal of Interactive Mobile Technologies (iJIM)</i>. 14(15), 195-206. (Indexed in SCOPUS).</p> <p>19. Aziz, R. A., Manaf, U. K. A., Ayub, A. F. M., &amp; Jafri, N. (2020). The Relationship Between Teachers' Knowledge and The Implementation of Project Based Learning at Vocational College. <i>International Journal of Academic Research in Business and Social Sciences</i>, 10(6), 766–787. (Indexed in ERA).</p> <p>20. 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. <i>International Journal of Academic in Research Business and Social Sciences</i>, 9(11), 1560-1569. Indexed in ERA).</p> <p>21. Noorashikim Noor Ibrahim, Ahmad Fauzi Mohd Ayub &amp; Aida Suraya Md. Yunus (2020). Impact of Higher Order Thinking Skills (HOTS) Module Based on the Cognitive Apprenticeship Model (CAM) on Student's Performance. <i>International Journal of Learning, Teaching and Educational Research</i>. 19 (7), 246-262, (Indexed in SCOPUS).</p> <p>22. Suriati Abu Bakar &amp; Ahmad Fauzi Mohd Ayub (2020). Relationship Between Attitude Towards Mathematics and Mathematical Problem-Solving Achievement Among Pre-University Students in Malaysia. <i>ASM Sc. J.</i>, 13(2020), 1 – 5. (Indexed in SCOPUS).</p> <p>23. Tahereh Kaboodvand, Tajularipin Sulaiman &amp; 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. <i>ASM Sc. J.</i>, 13 (2020), 1 – 10. (Indexed in SCOPUS).</p> <p>24. Fatimah Ramli, Ahmad Fauzi Mohd Ayub, Hutkemri Zulnaidi, Nur Raidah Salim &amp; Kathiresan Gopal (2020). Impact of Problem-based Learning Strategy on Students' Mathematical Value among Secondary School Students. <i>Universal Journal of Educational Research</i> 8(8), 3295-3302. (Indexed in SCOPUS).</p> <p>25. Muhammad Sofwan Mahmud, Aida Suraya Md. Yunus, Ahmad Fauzi Mohd Ayub, &amp; Tajularipin Sulaiman (2020). Enhancing Mathematical Language through Oral Questioning in Primary Schools. <i>International Journal of Learning, Teaching and Educational Research</i>, 19(5), 395-410. (Indexed in SCOPUS).</p> |
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|  | <p>26. Fazilah Razali, Umi Kalthom Abdul Manaf &amp; Ahmad Fauzi Mohd Ayub (2020). STEM Education in Malaysia towards Developing a Human Capital through Motivating Science Subject. <i>International Journal of Learning, Teaching and Educational Research</i> 19(5) 411-422</p> <p>27. Tamil Selvan Subramaniam, Melor Md.Yunus , Ahmad Fauzi Mohd Ayub, Mohd.Shafie Rosli, Siti Zuraida Maaruf, Aliff Nawi, Sarala Thulasi Palpanadan (2020). Important Elements for A Framework in Designing A Mobile Learning for English Language Listening And Speaking Skills. <i>Journal of Critical Reviews</i>. 7(6), 312-315. (Indexed in SCOPUS).</p> <p>28. Norliyah Sulaiman, Ahmad Fauzi Mohd Ayub, Aida Suraya Md. Yunus, Hutmari Zulnaidi, Umi Kalthom Abdul Manaf (2020). Implementation of HOTS in Mathematics: Through the Perspective Of Teachers. <i>Journal of Critical Reviews</i>. 7(13), 575 – 584 (Indexed in SCOPUS).</p> <p>29. Muhammad Abdullahe, 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. <i>Journal of Critical Reviews</i>. 7(13), 519 – 525 (Indexed in SCOPUS).</p> <p>30. Shu Ling Wong, Su Luan Wong &amp; Ahmad Fauzi Mohd Ayub (2020). Application of Geometer's Sketchpad in Malaysian Schools: A Literature Review. <i>ASM Sc. J.</i>, 13 (Special Issue 3), 24-31 (Indexed in SCOPUS).</p> <p>28. Ku Sook Leng, Fazilah Razali &amp; Ahmad Fauzi Mohd Ayub (2020). The Effectiveness Of Realistic Mathematics Education Approach Toward Students Learning: A Systematic Literature view Of Empirical Evidence. <i>Journal of Critical Reviews</i>. 7(13), 548 – 552. (Indexed in SCOPUS).</p> <p>29. Muhammad Sofwan Mahmud, Aida Suraya Md.Yunus, Ahmad Fauzi Mohd Ayub, &amp; Tajularipin Sulaiman (2020). Types of Oral Questions Used by Teachers in Mathematical Problem-Solving Teaching in Primary School Mathematics Teaching. <i>International Journal of Psychosocial Rehabilitation</i>, 24(6), 2278-2292. (Indexed in SCOPUS).</p> <p>30. Muhammad Sofwan Mahmud, Aida Suraya Md. Yunus, Ahmad Fauzi Mohd Ayub, &amp; Tajularipin Sulaiman (2020). The Use of Oral Questioning in Inculcating Values in Mathematics for Primary School Students. <i>Universal Journal of Educational Research</i>. 8(3C), 1-8. (Indexed in SCOPUS).</p> <p>31. Gopal, K., Salim, N. R., &amp; Ayub, A. F. M. (2020). Impact of experimenting computational statistics for data science in introductory statistics course: A Malaysian perspective. <i>Universal Journal of Educational Research</i>. 8 (2), 616-621. (Indexed in SCOPUS).</p> <p>32. Malathi Letchumanan , Sharifah Kartini Said Husain, Ahmad Fauzi Mohd Ayub, Kien Tsong Chau, Fakhry Ilham Mohd Radzi, &amp; Inn Ching Heng (2020). Investigating Factors that Promote Higher Order Thinking Skills in Information and Communication Technology (ICT) Integrated Classes. <i>Universal Journal of Educational Research</i>. 8(11B): 5816-5823 (Indexed in SCOPUS).</p> <p>33. Daneji, A. A., Ayub, A. F. M., &amp; Khambani, M. N. M. (2019). The effects of perceived usefulness, confirmation, and satisfaction on continuance intention in using massive open online course (MOOC). <i>Knowledge Management &amp; E-Learning</i>, 11(2), 201–214. (Indexed in SCOPUS).</p> <p>34. Muhammad Sofwan Mahmud, Aida Suraya Md. Yunus, Ahmad Fauzi Mohd Ayub &amp; Tajularipin Sulaiman (2019). Impact of school location and professional qualification on level of giving feedback among primary school mathematics teachers in oral questioning process. <i>Revista de Ciencias Sociales y Humanidades</i>, 4 (18), 468-473. (Indexed in WOS).</p> <p>35. Muhammad Sofwan Mahmud, Aida Suraya Md. Yunus, Ahmad Fauzi Mohd Ayub &amp; Tajularipin Sulaiman (2019). Case study of the level of oral questioning used by teachers in formative assessment during the mathematics teaching process in primary school <i>Revista de Ciencias Sociales y Humanidades</i>, 4 (18), 515 – 522. (Indexed in WOS).</p> <p>36. Aida suraya Md. Yunus, Ahmad Fauzi Mohd Ayub &amp; Tan Tong Hock (2019). Geometric thinking of Malaysian elementary school students. <i>International Journal of Instruction</i>. 12(1), 1095-1112. (Indexed in SCOPUS).</p> <p>37. Suriati Abu Bakar, Ahmad Fauzi Mohd Ayub, Kathiresan Gopal, Nur Raidah Salim (2019). The Influence of Students' Beliefs on Mathematical Problem Solving towards Mathematics Achievement among Malaysian Matriculation Students. <i>Universal Journal of Educational Research</i>, 7(10), 2243-2247. (Indexed in SCOPUS).</p> <p>38. Ibrahim, N. N., Ayub, A. F. M., Yunus, A. S. M., Mahmud, R., &amp; Bakar, K. A. (2019). Effects of Higher Order Thinking Module Approach on Pupils' Performance at Primary Rural School. <i>Malaysian Journal of Mathematical Sciences</i> 13(2), 209-227. (Indexed in SCOPUS).</p> <p>39. Noorashikim Noor Ibrahim, Ahmad Fauzi Mohd Ayub, Aida Suraya Md. Yunus, Kathiresan Gopal, Nur Raidah Salim. (2019). Effects of HOTS-based Module Approach on Pupil's Errors in the Topic of Measurement and Geometry in Urban and Rural Schools. <i>Universal Journal of Educational Research</i>, 7(11), 2519-2535. (Indexed in SCOPUS).</p> |
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|  | <p>40. Gopal, K., Salim, N. R., &amp; Ayub, A. F. M. (2019). Perceptions of Learning Mathematics among Lower Secondary Students in Malaysia: Study on Students' Engagement using Fuzzy Conjoint Analysis. <i>Malaysian Journal of Mathematical Sciences</i>, 13(2), 165- 185. (Indexed in SCOPUS).</p> <p>41. Hajar Ghadirian, Keyvan Salehi &amp; Ahmad Fauzi Mohd Ayub (2018). Analyzing the Social Networks of High-and Low-Performing Students in Online Discussion Forums. <i>American Journal of Distance Education</i>, 32(1), 27-42.</p> <p>42. Kabu Madu, Ahmad Fauzi Mohd Ayub, Wong Su Luan &amp; Mas Nida Md. Khambari (2019). Predicting factors of e-learning utilization among lecturers in the universities in the North-eastern Nigeria. <i>International Journal of Multidisciplinary Research and Development</i>. 6(11), 99-105 (Non CIJ)</p> <p>43. Muhammad Sofwan Mahmud, Aida Suraya Md. Yunus, Ahmad Fauzi Mohd Ayub &amp; Tajularipin Sulaiman (2019), Justification on the Selection of Revised Edition of Bloom's Taxonomy in the Levels of Oral Questioning in the Process of Teaching Mathematic in Malaysia. <i>International Journal of Innovative Technology and Exploring Engineering (IJITEE)</i>. 8(12S2), 587-592</p> <p>44. Ahmad Fauzi Mohd Ayub, Key Paan Chin, Tajularipin Sulaiman, &amp; Wan Marzuki Wan Jaafar (2019). The Influence of Parental Involvement and Teacher Support on Mathematics Engagement among Chinese Secondary School Students. <i>International Journal of Innovation, Creativity and Change</i>, 10(1), 292-303</p> <p>45. Primardiana Hermilia Wijayati, Rof'iah, &amp; Ahmad Fauzi Mohd Ayub (2019). "My lecturer's expressionless face kills me!" An evaluation of learning process of German language class in Indonesia. <i>REiD (Research and Evaluation in Education)</i>, 4(2), 2018, 94-104.</p> <p>46. Sousan Baleghi-Zadeh &amp; Ahmad Fauzi Mohd Ayub (2019) A Review of Literature: The Role of External Variables in Learning Management System Utilization. <i>International Journal of Innovation, Creativity and Change</i>, 9(12), 189-203.</p> <p>47. Mokhtar, M. A. M., Ayub, A. F. M., Said, R. R., &amp; Mustakim, S. S. (2019). Analysis of Year Four Pupils' Difficulties in Solving Mathematical Problems Involving Fraction. <i>International Journal of Academic Research in Business and Social Sciences</i>, 9(11), 1560–1569.</p> <p>48. Kabu Madu, Ahmad Fauzi Mohd Ayub, Wong Su Luan &amp; Mas Nida Md. Khambari (2019). Theoretical Prediction of E-Learning System Utilization Performance among Lecturers in Nigerian Universities. <i>Journal of Electronics and Communication Engineering (IOSR-JECE)</i>, 14(6), 21-28.</p> <p>49. Hajar Ghadirian, Keyvan Salehi, &amp; Ahmad Fauzi Mohd Ayub (2019), Assessing the Effectiveness of Role Assignment on Improving Students' Asynchronous Online Discussion Participation. <i>International Journal of Distance Education</i> 17(1), 31-51.</p> <p>50. Loh Siew Wen, Wan Marzuki Wan Jaafar, Ahmad Fauzi Mohd Ayub, Tajularipin Sulaiman, &amp; Borhanudin Abdullah (2019). Relationship between Career Decision-Making Self-Efficacy, Career Optimism and Career Decision-Making Difficulties among Students in a Private Secondary School. <i>International Journal of Innovation, Creativity and Change</i>, 10(1), 221-244</p> <p>51. Hosseinali Gholami, Aida Suraya Md. Yunus, Ahmad Fauzi Mohd Ayub, &amp; Nurzatulshima Kamarudin (2019). The Impact of Lesson Study on Achievement in Mathematical Problem Solving and Higher Order Thinking Skills (HOTS) among Foundation Level Students. <i>International Journal of Innovation, Creativity and Change</i>, 10(2), 289-313.</p> <p>52. Aida Suraya Md. Yunus, Ahmad Fauzi Mohd Ayub, &amp; Tan Tong Hock (2019). Effect of Geometry Instruction Using Van Heile's Theory on Spatial Visualization Ability for Year Five Primary Learners. <i>International Journal of Innovation, Creativity and Change</i>, 10(2), 204-217.</p> <p>53. Dev, R. D. O., Kamalden, T. F. T., Geok, S. K., Abdullah, M. C., Ayub, A. F. M., &amp; Ismail, I. A. (2019). Influence of Psychosocial Factors on Health Behaviours Among Undergraduates in Malaysia. <i>International Journal of Academic Research in Business and Social Sciences</i>, 9(11), 1382–1401.</p> <p>54. Muhammad Sofwan Mahmud, Aida Suraya Md. Yunus, Ahmad Fauzi Mohd Ayub, &amp; Tajularipin Sulaiman (2019), Factors Affecting the Implementation of Low-Level Oral Questioning in Mathematics Teaching in Primary School. <i>International Journal of Innovative Technology and Exploring Engineering (IJITEE)</i>. 8(12S2), 579-585</p> <p>55. Ghadirian, H., Salehi, K. &amp; Ayub, A.F.M. (2018). Social annotation tools in higher education: a preliminary systematic review. <i>Int. J. Learning Technology</i>, 13(2), 130–162.</p> <p>56. Fatimah Ramli, Ahmad Fauzi Mohd Ayub, &amp; Nur Raidah Salim (2018). Effectiveness of problem based learning strategy towards solving higher and lower order questions among secondary school students. <i>AIP Conference Proceedings</i> 1974, 040023 (2018).</p> <p>57. Kathiresan Gopal, Nur Raidah Salim &amp; Ahmad Fauzi Mohd Ayub (2018) The influence of attitudes towards statistics on statistics engagement among undergraduate students in a Malaysian public university. <i>AIP Conference Proceedings</i> 1974, 050004 (2018).</p> |
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|  | <p>58. Nur Raidah Salim, Kathiresan Gopal, &amp; Ahmad Fauzi Mohd Ayub (2018). The influence of statistics self-efficacy towards statistics engagement among undergraduate students. <i>AIP Conference Proceedings</i> 1974, 050005 (2018).</p> <p>59. Hajar Ghadirian, Ahmad Fauzi Mohd Ayub &amp; Keyvan Salehi (2017). Students' perceptions of online discussions, participation and e-moderation behaviours in peer- moderated asynchronous online discussions. <i>Technology, Pedagogy and Education</i>, DOI: 10.1080/1475939X.2017.1380695.</p> <p>60. Norhafizah Ismail, Ahmad Fauzi Mohd Ayub, Aida Suraya Md Yunus, &amp; Habibah Ab. Jalil (2017). Utilising CIDOS LMS in technical higher education: The influence of compatibility roles on consistency of use. <i>Advanced Science Letters</i>, 23(8), 7783–7787</p> <p>61. Ahmad Fauzi Mohd Ayub, Syaza Hazwani Zaini, Wong Su Luan &amp; Wan Marzuki Wan Jaafar (2017). The influence of mobile self-efficacy, personal innovativeness and readiness towards students' attitudes towards the use of mobile Apps in learning and teaching. <i>International Journal of Academic Research in Business and Social Sciences</i>. 7, 364-374.</p> <p>62. Hajar Ghadirian &amp; Ahmad Fauzi Mohd Ayub (2017). Peer moderation of asynchronous online discussions: An exploratory study of peer e-moderating behaviour. <i>Australasian Journal of Educational Tehnology</i>. 33(1), 1 – 18.</p> <p>63. Tahereh Kaboodvand, Ahmad Fauzi Mohd Ayub, Aida Suraya Md Yunus &amp; Rosnaini Mahmud (2017). Literature review on peers' ICT support, teachers' ICT support and family involvement on students' engagement in ICTs for learning mathematics among Iranian secondary school students. <i>International Journal of Academic Research in Business and Social Sciences</i>. 7, 348-363.</p> <p>64. Wan Nurul Nazirah Meor Zamani &amp; Ahmad Fauzi Mohd Ayub (2017). The development of sightheart: a gamified serious game training tool for analytical skills and values internalization. <i>International Journal of Academic Research in Business and Social Sciences</i>. 7, 463-471.</p> <p>65. Harisa Hawafi, Siti Aishah Hassan &amp; Ahmad Fauzi Mohd Ayub (2017). The reliability analysis for Malaysian internet and sexual activities inventory and its practical implication. <i>International Journal of Academic Research in Business and Social Sciences</i>. 7, 719-727.</p> <p>66. Siti Aishah Hassan, Ahmad Fauzi Mohd Ayub, Harisa Hawafi &amp; Soudabeh Ghoroghi (2017). Who engaged more online sexual activities, younger or older adult? Implication for marital, couple and family counseling. <i>International Journal of Academic Research in Business and Social Sciences</i> 7, 728-736</p> <p>67. Siti Aishah Hassan, Ahmad Fauzi Mohamad Ayub &amp; Kaseh Abu Bakar (2017). 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|  | <p>Penilaian Kursus Multimedia. Editor : Ahmad Fauzi Mohd Ayub &amp; Aida Suraya Md. Yunus Penerbit UPM.</p> <p>18. Mat Rofa Ismail, Rohani Ahmad Tarmizi, Ahmad Fauzi Mohd Ayub, Norbaizura Yusof &amp; Sharifah Kartini Said Hussain (2012). Dalam Mat Rofa Ismail (Ptn). Seni Warisan Melayu : Satu Manifestasi Etnomatematik. Rampaian Etnomatematik (pp 29-45). Selangor : UPM.</p> <p>19. 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 &amp; Baharuddin Zainal &amp; Fara Nadia Zaiuddin (2012). Dalam Mat Rofa Ismail (Ptn). Pendokumentasian : Etnomatematik Sebagai Warisan Pemikiran Ummah. Rampaian Etnomatematik (pp 77-100). Selangor : UPM.</p> <p>20. Wan Hamzari Wan Hamid, Ahmad Fauzi Mohd Ayub &amp; Mokhtar Hj. Nawawi (2012). Dalam Shaffe Mohd Daud &amp; Ahmad Fauzi Mohd Ayub (Ptn). Penggunaan Internet bagi Aktiviti Akademik dalam Kalangan Pelajar Universiti dari Perspektif Gender. Aplikasi Teknologi Maklumat dan Komunikasi dalam Pendidikan. (pp 13-20). Selangor : UPM.</p> <p>21. Rohayati Ismail, Ahmad Fauzi Mohd Ayub &amp; Othman Talib (2012). Dalam Shaffe Mohd Daud &amp; Ahmad Fauzi Mohd Ayub (Ptn). 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</p> <p>22. Norliza Ibrahim, Wong Su Luan &amp; Ahmad Fauzi Mohd Ayub (2012). Faktor-Faktor Yang Mempengaruhi Sikap Pelajar Terhadap Komputer. Dalam Shaffe Mohd Daud &amp; Ahmad Fauzi Mohd Ayub (Ptn). Aplikasi Teknologi Maklumat dan Komunikasi. (pp 57 - 71). Selangor : UPM</p> <p>23. Shamsul Baharim Mohamed Anwar, Ahmad Fauzi Mohd Ayub, Wan Marzuki Wan Jaafar, Wong Su Luan (2012). Dalam Shaffe Mohd Daud &amp; Ahmad Fauzi Mohd Ayub (Ptn). Profil Pengguna Laman Facebook dalam kalangan Pelajar Universiti. Aplikasi Teknologi Maklumat dan Komunikasi dalam Pendidikan. (pp 117 - 128). Selangor : UPM</p> <p>24. 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 &amp; Syaliza Adiha Tewiran (Ptn). Isu dalam Perkhidmatan Bimbingan dan Kaunseling (14-34). Neurox Publishing House.</p> <p>25. Suzana Harun, Wan Marzuki Wan Jaafar &amp; Ahmad Fauzi Mohd Ayub (2012). Isu dalam Efikasi Swadiri Kaunselor. Dalam Wan Marzuki Wan Jaafar, Ahmad Fauzi Mohd Ayub &amp; Syaliza Adiha Tewiran (Ptn). Isu dalam Perkhidmatan Bimbingan dan Kaunseling (pp. 35 - 49). Neurox Publishing House.</p> |
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## 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 Najaf Abadi | 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 <i>MClass</i> dalam kalangan pelajar universiti awam Malaysia<br><i>Predictor factors on students' acceptance, usage and engagement of MClass mobile application among Malaysian public university students.</i> |

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|----------------------------------|--|-----------------|------|---|
| 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 saudi academy of civil aviation academic staff  |
| Dr. Kabu Madu                    | Phd (Educational Technology)                             | Main Supervisor | 2020 | Predictive Modeling of e-Learning utilization among lecturers in higher education institutions.   |
| Dr. Muhammad Abdullahi           | 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 binti Abu Bakar  | PhD (Pedagogy in Mathematics Education)                  | Main Supervisor | 2021 | Model peramal keterlibatan pelajar dalam matematik dalam kalangan pelajar universiti<br><i>Predictive model on influencing students' engagement in Mathematics among university students.</i>   |
| Wan Hamzari Wan Hamid            | 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.<br><i>Level of internet addiction and the relationship with academic performance, self-esteem and time management among Universiti Putra Malaysia students.</i> |
| Rohayati Ismail                  | Master of Science (Educational Technology)               | Main Supervisor | 2013 |   |
| Norasikin Ibrahim                | Master of Science (Educational Technology)               |                 | 2017 | Kesan perantaraan perilaku tabiat pelajar dan hubungan antara faktor peramal terhadap perilaku penggunaan sebenar telefon bimbit dalam aktiviti akademik.   |

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|--|--|--------------------|------|--|
|  |  |                    |      | <i>Mediating effects on habitual behavior and its relationship between predictive factors of actual mobile phone utilization in academic activities.</i>   |
| Dansarki<br>Isiyaku Dauda              | Master of<br>Science<br>(Educational<br>Technology)                | Main<br>Supervisor | 2015 | Predictive modeling of ICT usage among business education teachers in tertiary colleges of Northwestern Nigeria  |
| Azlin Abd Jalal                        | Master of<br>Science<br>(Pedagogy in<br>Mathematics<br>Education)  | Main<br>Supervisor | 2015 | Predictive modeling of the acceptance of ebook among mathematics teachers in Terengganu  |
| Chiang Yang<br>Chiou                   | Master of<br>Science<br>(Educational<br>Technology)                | Main<br>Supervisor | 2015 | Factors influencing e-learning experience among undergraduates at Universiti Putra Malaysia  |
| Royati Abdul<br>Saha                   | Master of<br>Science<br>(Mathematics<br>Education)                 | Main<br>Supervisor | 2015 | Keberkesanan penggunaan perisian GeoGebra terhadap pencapaian murid berbeza kebolehan ruang visual dalam pembelajaran koordinat geometri<br><i>Effects of using GeoGebra on students' achievement with different spatial visualization abilities in learning geometry coordinate</i> |
| Jazihan Mahat                          | Master of<br>Science<br>(Educational<br>Technology)                | Main<br>Supervisor | 2013 | Faktor yang mempengaruhi perilaku niat m-Pembelajaran dalam kalangan pelajar Fakulti Pengajian Pendidikan, Universiti Putra Malaysia<br><i>Factors influencing the behavioral intention of m-learning among students of Faculty Educational Studies, Universiti Putra Malaysia</i>   |
| Nadia Hidayah<br>Binti Mohd<br>Ariffin | Master of<br>Science<br>(Educational<br>Technology)                | Main<br>Supervisor | 2014 | Faktor yang mempengaruhi efikasi swadiri komputer dalam kalangan pelajar sekolah menengah di Kelantan.<br><i>Factors influencing computer self-efficacy among secondary school students in Kelantan.</i>   |
| Afizal bin Md<br>Sahir                 | Master<br>Science<br>(Technical<br>and<br>Vocational<br>Education) | Main<br>Supervisor | 2014 | Kesan penggunaan video dalam pembelajaran amali masakan dan sikap murid terhadap mata pelajaran katering dan penyajian<br><i>The effective use of video in culinary practical learning and students' attitudes towards catering and presentation subject.</i>                        |
| Nurul Hafiza<br>Ismail                 | Master of<br>Science<br>(Educational<br>Technology)                | Main<br>Supervisor | 2015 | Faktor peramal hasrat perlakuan terhadap internet dalam kalangan murid sekolah menengah.<br><i>Predictive factors on students' behavioral intention towards internet among secondary school students.</i>  |

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|-------------------------------------|--|-----------------|------|--|
| Wan Nurul Nazirah binti 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.                                |

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| <b>H. Research project</b> |  |                 |             |                                   |               |
|----------------------------|--|-----------------|-------------|-----------------------------------|---------------|
| <i>Project No.</i>         | <i>Project Title</i>   | <i>Role</i>     | <i>Year</i> | <i>Source of fund</i>             | <i>Status</i> |
| 06/01/07/0289RU            | Pembangunan Dan Penerimaan Pelajar Terhadap Penggunaan Portal Untuk Pengajaran Dan Pembelajaran Matematik Kalkulus Di Peringkat Sekolah Menengah Dan Institusi Pengajian Tinggi/Swasta | Main researcher | 2007        | Research University Grant Scheme  | Completed     |
| 07-02-04-0843-EA001        | Enhancing Mathematics Learning for Lower Secondary School Students Using Multimedia Mathematics Courseware.  | Member          | 2007        | E-science                         | Completed     |
| 01-01-04-SF0126            | Comparison of Instructional Efficiency of Dynamic Software on Mathematics Learning At The Secondary Level  | Member          | 2007        | Science fund (01-01-04-SF0126)    | Completed     |
| 05-01-07-232FR             | Internet Attitudes and Usage Among Students Teacher  | Member          | 2007        | Fundamental Research Grant Scheme | Completed     |
| 06-01-04-SF0898            | Characterizing key features of student centered learning environments in Malaysian Institutions of Higher education: Its Implication on the teaching and learning process.             | Member          | 2007        | Science Fund                      | Completed     |
| 06/01/07/0308RU            | Transforming GIS Mapping on Children at Risk in The Malaysian Socioeconomic Educational Environment  | Member          | 2007        | Research University Grant Scheme  | Completed     |
| 06-05-10-1080RU            | Enhancing Visualization Through use of Interactive Multimedia For mathematics learning   | Main researcher | 2010        | Research University Grant Scheme  | Completed     |

| H. Research project             |  |                 |             |  |           |
|---------------------------------|--|-----------------|-------------|--|-----------|
| Project No.                     | Project Title  | Role            | Year        | Source of fund   | Status    |
| ERS/1/11/SSI/UPM/01/<br>1       | Exploring Mathematical Enculturation in National, National Type and National Religious Schools in Malaysia and Its Impact on Mathematics Achievement                             | Member          | 2011/2013   | Exploring Research Grant Scheme                                      | Completed |
| FRGS /1/11/SSI/UPM/02/22        | Design of Adaptive Learning to Optimize Instructional Efficiency in Mathematics Learning.  | member          | 2011-2014   | Fundamental Research Grant Scheme                                    | Completed |
| 9323607                         | The effect of Technologhy Learning Environment on Self-regulating Engagement among Undergraduates using PutraLMS at Universiti Putra Malaysia                                    | Member          | 2012-2014   | Geran insentif Penyelidikan dalam pengajaran dan Pembelajaran (GIPP) | completed |
| 06-02-12-1963RU                 | Effectiveness of Islamic Psycho-Sexual Cyber Intervention on Marital Conflict and Sexual Satisfaction  | Member          | 2012 - 2014 | Research University Grant Scheme (RUGS)                              | completed |
| UPM/700-2/1/GP-IPW/2013/9390300 | Modelling Acceptance eBook Among Mathematics Teachers in Terengganu  | Main researcher | 2013 - 2015 | Research University Grant Scheme (RUGS)                              | Completed |
| UPM/700-2/1/GP-IPW/2013/9394000 | Factor Affecting Knowledge sharing Behaviour in Virtual Colloborative Teams Among Distance Learners  | Main researcher | 2013 - 2015 | Research University Grant Scheme (RUGS)                              | Completed |
| ERGS/1-2013/5527183             | Exploring the Professional Development of Inculcating and Incorporating Mathematics Values in Teaching Primary and Secondary Mathematic  | Member          | 2013-2015   | Exploring Research Grant Scheme                                      | Completed |
| 06-01-13-1234FR                 | Assessment of Primary and Secondary Mathematics Teachers' Affective Paradigm and Higher Order Thinking Skills (HOTS) Ability: A Brain-Based Instructional Startegies Perspective | Member          | 2013-2015   | Fundamental Research Grant Scheme (FRGS)                             | Completed |
| FRGS 2014 -1                    | A model for understanding the potential of using the multiple intelligence approach and Higher Order Thinking Skills in Assessing Student.                                       | Member          | 2014 -2017  | Fundamental Research Grant Scheme (FRGS)                             | On-going  |
| FRGS                            | Karaketistik Murid yang mengikut aliran tafhiz   | Member          | 2013-2016   | Fundamental Research Grant Scheme (FRGS)                             | On-going  |

| <b>H. Research project</b> |  |                 |                                  |                            |               |
|----------------------------|--|-----------------|----------------------------------|----------------------------|---------------|
| <i>Project No.</i>         | <i>Project Title</i>   | <i>Role</i>     | <i>Year</i>                      | <i>Source of fund</i>      | <i>Status</i> |
| TRGS                       | 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           | Trans-Disciplinary, TR GS) | On-going      |
| FRGS (05-01-12-1144FR)     | Predictive Models of Mathematics Performance based on Mathematics Engagement Among Malaysian Secondary School Students<br>Main- Researcher             | Main researcher | 2012-2014                        | FRGS                       | Completed     |
| Putra Grant                | 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 Accularation Collaborative Effort,            | Member          | Februari 2014 – 31 Januari 2016. | RACE                       | Completed     |
| KPTM                       | Kajian keberkesanan program susu 1 Malaysia (PS1M)   | Member          | Novembr 2013 – 28 Februari 2015. | KPM                        | completed     |