

CURRICULUM VITAE

(2005 – 2022)



Name: DR. SYARBAINI B AHMAD

Position: SENIOR LECTURER

**Department: Department of Computer Science
Faculty of Science & Information Technology**

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Scopus ID: 57203008412,

Google Scholar ID: vWy2nOAAAAAJ

EDUCATION BACKGROUND

- **2017 - Ph.D (Software Engineering – Software Maintenance)** Universiti Putra Malaysia
- **2003- Master of Science (Software Engineering – Real Time System)** Universiti Teknologi Malaysia
- **2000 - Bachelor of Technology with Education (Living Skills)** Universiti Teknologi Malaysia

WORKING EXPERINECE

- **2001 - Virtual Softnet Solution – Manjung Perak** - System Analyst/ Designer
- **2002 - Sapura Energy Sdn Bhd – Ulu Kelang Selangor** - Software Engineer
- **2003 – Kolej Teknologi Cosmopoint – Pensyarah**
- **2003 - Multimedia University, Cyberjaya – Selangor** - System Analysis/Programmer
- **2005 - Selangor International Islamic University College (SIUC) – Pensyarah**

POSITION IN ADMINISTRATION

- Ketua Jabatan Teknolog Rangkaian 2005-2007
- Ketua Jabatan Sains KOMputer 2007-2008
- AJK Masjid Al-Azhar 2006-
- Felo Kolej KEdiama Pelajar 2006-2008
- Kordinator Bachelor Software Engineering 2012-2013
- Timbalan Nazir Masjid Al Azhar 2013-2015
- Pengerusi Jawatankuasa Induk Kepimpinan Mahasiswa, JPM 2016-2017.
- Pegawai Khas Timbalan Rektor Pembangunan Mahasiswa dan Alumni – 2017 until 2020
- Penyelaras Bahagian Pembangunan Mahasiswa dan Alumni - 2019 2020
- Timbalan Dekan Hal Ehwal Pelajar dan ALumni FSTM – 2020 -

AWARD

1. Anugerah Khidmat Setia KUIS 2015
2. Anugerah Perkhidmatan Cemerlang KUIS 2015
3. Winner at [World Championship 2018](#) in Computer Science (Code Analysis) for Research paper “Effectiveness Analysis of Aspect-Oriented Dependence Flow Graph as an Intermediate Representation Tool” - 2018

EXPERTISE AND CONSULTATION

INTERNATIONAL LEVEL(3)

1. External Advisor for course Bachelor of Computer Science, University of Fatani, Thailand – 2020.

2. Invited Speaker International Lecture Share Series, social media and Information Technology Era: How To Create Good Communication, Esa Unggul University Jakarta – 2021
3. Keynote Speaker, Future Career in IT, International Innovation Technology and Research Exhibition & Conference (ITREXC21) - 2021

NATIONAL LEVEL (42)

1. OUM Question Bank Item Developer – Open University Malaysia - 2015
2. OUM Final Exam Examiner - Open University Malaysia – 2006 - 2016
3. OUM Tutor - Open University Malaysia – 2005 - 2022
4. IT Project Verifier – German Malaysia Institute-UNIKL – 2009-2010
5. Coordinator & Trainer Java Programming - Institut Tadbiran Awam Negara (INTAN) Bukit Kiara – 2014-2015
6. UUM Trainer #Yayasan Bank Rakyat, Tkt 4 Menara 2 Bank Rakyat KL – 2016-2017.
7. Jawatankuasa Perundingan Projek Jejak Ilmuan Kerajaan Selangor (2008-2009)
8. Pemantau Program SPIES, Exco Pendidikan, Pendidikan Tinggi dan Pembangunan Sumber Manusia Kerajaan Selangor (2009)
9. Jawatankuasa Perundingan Exco Pelancongan, Kebudayaan dan Warisan Kerajaan Negeri Kelantan di bawah SPARK (2012)
10. Jawatankuasa Musabaqah Tilawah Al-Quran Murid Pekak Peringkat Kebangsaan (2014)
11. Jawatankuasa Program Nikah Perdana JAIS – PAID Hulu Langat (2015)
12. Jawatankuasa Majlis Berbuka Puasa Bersama KDYMM Sultan Selangor (2013-2015)
13. Jawatankuasa Majlis Berbuka Puasa Bersama KDYMM Sultan Selangor (2019)
14. OUM Subject Mater Expert - Open University Malaysia – 2015-2018
15. OUM PhD Learning Kit Writer – PhD. @Doctor of Education (EdD) Subject “Current Trend in Higher Education – 2018-2019
16. MQA Assessor – Malaysian Qualification Agency – 2021 – 2023
17. Jawatankasa Seminar Pengurusan Kewangan Mahasiswa 2014 UNITEN dan LZS – Zakat Selangor 2014
18. Jawatankuasa Seminar Kebangsaan Integriti dan Pencegahan Rasuah IPT 2015- Bangi.
19. Jawatankuasa Seminar Pengurusan Zakat Peringkat Kebangsaan (2014) – UiTM Shah Alam
20. Secretary World Conference of Muslim Education 2009 (World-COME)- Grand Blue Wave Shah Alam 2009
21. Secretary International Conference of Islamic Education (ICIED-2010) – Holiday Villa Subang 2010
22. Setiausaha Program Seminar Pendidik Kebangsaan Mei 2019 – Kuala

- Terengganu.
23. Jawatankuasa Digital Terengganu – Terengganu, 2020
 24. Naib Pengerusi Surau Al-Mawaddah Sri Kembangan – 2004-05
 25. Biro Pemuda Surau Al Buhairah Seksyen 6 Bdr Bukit Mahkota – 2016-2018
 26. Ketua Biro Teknologi Maklumat Persatuan Perubatan, Pengubatan, & Kebajikan Islam Malaysia (DARUSSYIFA)-2016-2020
 27. AJK Ikatan Ilmuwan Nasional (ILMUAN) – 2015-2016
 28. AJK Yayasan Anti Rasuah Malaysia (YARM) Putrajaya – 2016
 29. AJK Pusat Dakwah Serantau Yayasan Amal Malaysia (2011-2012)
 30. Ahli Lembaga Penasihat Tahfiz School Sahabat Insani Nilai Negeri Sembilan (2018 – 2023)
 31. Bendahari Ikatan Ilmuwan Nasional Malaysia (ILMUAN) 2017-2018
 32. Setiausaha Ikatan Ilmuwan Nasional Malaysia (ILMUAN) 2019 - 2023
 33. Panel Bengkel Review Perancangan Strategik dan Halatuju ICT Negeri Terengganu, SUK Terengganu, 2019.
 34. Technical Committee on Guidelines for Secure Software Development Life Cycle, Cyber Security Malaysia (2020)
 35. Panel Hakim International Research, Innovation, Symposium And Exposition 2020 (RISE 2020)
 36. Jawatankuasa Induk Persidangan International Terengganu Digital, (DIGIT20202), SUK Terengganu, 2020.
 37. Panel Penasihat Pembangunan Hal Ehwal Islam: Penubuhan Universiti Al-Quran Malaysia (UNIQ), JAKIM, 2021.
 38. Panel Pembentang Program Pemukiman Kerajaan Negeri Kelantan, Pejabat Menteri Besar Kelantan, 2021.
 39. Fasilitator Bengkel Halatuju Strategik Institut Latihan Darulnaim (ILDAN) Kelantan, 2022
 40. Pembentang Seminar Pembangunan Masyarakat Digital Dan Keselamatan Siber, Darul Iman Training Centre Terengganu Bersama JITP, 2022.
 41. Pakar Runding Pembangunan Sistem Sukarelawan Yayasan Dakwah Islamiyah (YADIM) - 2022
 42. Pakar Runding Perancangan Pembangunan Sistem Pengurusan Maklumat Berasaskan Big Data Analitik Kelantan dan Warga Perantau Kelantan - 2022

INTERNAL (25)

1. Ahli Jawatankuasa ICT KUIS 2007
2. Setiausaha jawatankuasa permohonan MSC Status KUIS 2006
3. Jawatankuasa Penggubal Kurikulum Pengajian Diploma Pendidikan KUIS 2007
4. Jawatankuasa Penggubal Kurikulum Pengajian Bachelor Kejuruteraan Perisian 2007
5. Jawatankuasa Pemantapan Kurikulum Pengajian Diploma Sains Computer 2007
6. Jawatankuasa Pemantapan Kurikulum Pengajian Bachelor Teknologi

Rangkaian 2007

7. Panel penyemak kertas soalan peperiksaan peringkat jabatan, fakulti dan kolej universiti 2006-
8. Jawatankuasa Pembangunan Mahasiswa 2014-2017
9. Jawatankuasa Semakan Kelayakan Sijil Akademik Kemasukan 2015
10. Jawatankuasa Sebut Harga Masjid Al-Azhar KUIS 2013-2015
11. Jawatankuasa Dana Luar Negara KUIS – 2014
12. Jawatankuasa Misi Bantuan Banjir – 2014, 2015, 2017
13. Jawatankuasa Agihan Zakat KUIS – 2014-2015
14. Jawatankuasa Pelan Induk Strategik KUIS – 2014
15. Jawatankuasa Pengurusan Korporat dan Pengantarabangsaan KUIS – 2014
16. Committee of Student Mobility and Internship Program 2017
17. Committee of Workshop Organizer for Post Graduate Study 2015-2017.
18. Timb. Pengerusi 3 Jawatankuasa Pelaksanaan Ekosistem Kondusif Sektor Awam (KSA) KUIS 2018.
19. Setiausaha Jawatan Kuasa Tabung Khas Covid-19 KUIS 2020-2021
20. Penasihat Persatuan Kelab Al-Azhar Members 2014-2015
21. Penasihat Majlis Perwakilan Pelajar KUIS, 2019
22. Penasihat Persatuan Information Technology Student Society (INTECH) 2020 - 2022
23. Penasihat Persatuan Ikatan Mahasiswa Kelantan, Terengganu dan Pahang (IKATAN), 2012-
24. Moderator Sidang Pembentangan Geran Dalam KUIS (GPIK) – 2020, 2021
25. AJK Pemasaran Pasca Siswazah KUIS

JOURNAL EDITOR/MONOGRAPH/ GUIDE LINE/ POLICY(4)

1. Journal IHTEMAM Masjid Al-Azhar KUIS 2019
2. Astonjadro: Jurnal Rekayasa Sipil Universitas Ibn Khaldun Bogor Indonesia, <http://ejournal.uika-bogor.ac.id/index.php/ASTONJADRO/about/displayMembership/109>
3. Editorial Members for Guidelines for Secure Software Development Life Cycle (SSDLC), Cyber Security Malaysia, 1st Edition 2020, Kementerian Komunikasi dan Multimedia Malaysia, https://www.cybersecurity.my/data/content_files/56/2073.pdf
4. International Journal of Science and Research (IJSR), India, <http://www.ijsr.net/>

JOURNAL REVIEWER (10)

SCOPUS (SCIENCE PUBLICATIONS)

1. Wacharapong N, Sakgasit R and Cosh K, Defect-Driven Development: A New Software Development Model for Beginners – Journal of Computer Science (SCOPUS)- 2017

2. Mohammad Zarour, Empirical Investigation of Factors that Hamper Pursuing Software Process Improvement: Analyses of Saudi Practitioners' Views - Journal of Computer Science (SCOPUS)- 2017
3. M. H. Fatnan, Z. M. Hussain, and H. R. Mohammed, "Blind Source Separation under Noise : Performance Analysis of ICA , Sobi , and JadeR," no. 1, pp. 1–19. Journal of Computer Science (SCOPUS)- 2018
4. Oliveirajr, E. (n.d.). Size , Coupling , and Cohesion Metrics for Product-Line Architecture Evaluation : Proposal and Experimental Validation. Journal of Computer Science (SCOPUS)-2018
5. H. K. Grang, M. Bhuiyan, P.W.C. Prasad, F. Haque, Enhancing Quality In Agile Requirement Elicitation Process, *American Journal Of Applied Sciences* (SCOPUS)- 2018
6. M.E Arass, I. Tikito, N. Souissi, Matching Between SIEM, Tools and Smart DLC Systems, Science Publications. (SCOPUS)- 2019
7. Anmol M., Charu G., Mayank, Aman Sharma, (2020) Linux Security using Blockchain, Science Publications. (SCOPUS).
8. Indra B. M., Samsul A., Wikky F. A., Mohd K. B. M. A. (2021) Graph Coloring Program of Exam Scheduling Modeling at Binus University Based on Bitwise Coloring Algorithm Using Python, Science Publications. (SCOPUS).

MyJICT KUIS

9. Shahrul N. S., Ronizam I., Norzaimah Z., Ab Wahid S., Dina S. Z., (2021) Kesedaran Pelajar Kolej Universiti Islam Melaka Terhadap Aplikasi Mudah Alih Berunsurkan Islam (Islamic Mobile Apps), *Malaysian Journal of ICT, FSTM KUIS*.
10. Nor Syamimi M. A., Suzana Sulaiman & Nur Salimah A., Mohd S. S The Awareness Of Internet Plagiarism Among The Secondary School Students, *Malaysian Journal of ICT, FSTM KUIS*

PROFESIONAL BOARD MEMBERS

1. Asian Council of Science Editors – 2021 – <http://theacse.com> Membership No.: 60.21676.

TEACHING AND SUPERVISION

COURSE (22)

SEMESTER	COURSE	LEVEL
1 2019/2020	TPTM7010 – Research Method in IT	PhD

2	2017/2018	TMMT – Advanced Information & Network Technology	Master
1	2017/2018	TMMT6043 – Decision Support System	
2	2020/2021	TMMT6073 – Project Management in IT	
2	2020/2021	TMMT6163 – Information Assurance	
5	2012/2013	BTCC5013 - Software Configuration	Degree
4	2007/2008	BTCT4103 – OS & Administration	
3	2012/2013	TBSE3083- Software Validation & Verification	
3	2012/2013	TBSE3403 – Distributed Computing	
4	2012/2013	TBSE4133 – Software Project Management	
4	2008/2009	DPNT4103 – Teknologi Pendidikan	Diploma
5	2008/2009	DPNT5113 – Teknologi Pendidikan	
3	2012/2013	DTCO3023 – Object-Oriented Programming	
1	2005/2006	DTCP1023 - Introduction to Programming	
1	2013/2014	TDCS1014 – Problem Solving	
2	2021/2022	TDCS1023 – Fundamentals of Programming	
3	2018/2019	TDCS2033 – System Analysis & Design Method	
3	2016/2017	TDCS2423 - Software Development	
4	2008/2009	TDTM4043 – Computer Network	

PHD STUDENT SUPERVISION

No.	Student Name	Research Title	Status
1	Iksal Yanuarshah	Geoinformatic Model For Landslide Mitigation In Bogor Indonesia	In Progress
2	Siti Noor Ahmad	Self-Regulated Learning Model and Techniques using Scaffolding and Active Learning approach in Programming Problem Solving	In Progress

MASTER STUDENT SUPERVISION

No	Student Name	Research Title	Status
1	Muhammad Ammar Salam Bahrak	Functionality Of E Wallet Malaysia. A Comparative Study Of Touch N Go & Boost.	Completed 2022
2	Mohammad Syakirin Suhaimi	Effectiveness of Online Examination for Institute of Higher Learning	Not Complete
	Siti Mariam Hussain	Effectiveness Of Augmented Reality In Science Subject (Eclipse)	Not Complete

RESEARCH ACTIVITIES (7)

Research Activities List

1	Chief Researcher	4
2	Co- Researcher	1
3	Phd Research	1
4	Master Research	1
	Total	7

Head of Research Team (4)

No.	Research Title	Year/Duration	Funding
1	GPIK, Kebolegunaan Sistem Peperiksaan Atas Talian Untuk Pembelajaran di Peringkat Pengajian Tinggi, GPIK 2016-Fasa 1, Kategori GPM,	1 year /2016 - 2017	RM 24 500
2	GPIK 2017-Fasa 1, Effectiveness of Code Analysis Using Dependence Tree, Kategori GPI.	1 year 2017-2018	RM8,820
3	GPPSTI Kerajaan Negeri Selangor 2017 - Pembangunan dan Pengujian Aplikasi E-Fatwa Jabatan Mufti Negeri Selangor,	1 year 2018-2019	RM52,000
4	GPIK 2020 - Kebolegunaan Aplikasi School E-Payment Solutions (SEpS) Untuk Sekolah Di Dalam Masyarakat Digital,	1 year 2020-2021	RM5,000
	JUMLAH		RM

Members of Research Activities (1)

No.	Research Title	Year/Duration	Funding
1	Kekerapan Pelajar Solat Berjemaah Di Masjid Al-Azhar, GPIK 2014,	2014	RM 2000
2			
	JUMLAH		RM

MONOGRAPH/ RESEARCH REPORT (4)

1. Kekerapan Pelajar Solat Berjemaah Di Masjid Al-Azhar, Noor Azli Mohd Masrop (KUIS), Syarbaini Ahmad (KUIS) 2016.
2. Kebolegunaan Sistem Peperiksaan Atas Talian Untuk Pembelajaran di Peringkat Pengajian Tinggi. Syarbaini Ahmad (KUIS) Izzudin Mohd Pisol (KUIS), Md Azrul Sulaiman (KUIS) 2018

3. Effectiveness of Code Analysis Using Dependence Tree, Syarbaini Ahmad (KUIS), Khirul Nizam Abdul Rahman (KUIS), Hafiz b MOhd Hanapi (KUIS), 2019
4. Kebolegunaan Aplikasi School E-Payment Solutions (SEpS) Untuk Sekolah Di Dalam Masyarakat Digital, Syarbaini Ahmad (KUIS) Muhamad Adham Hambali (KUIS) Muhammad Fansuri Mohd Zahari (KUIS), 2022.

JOURNAL (6)

JOURNAL – FIRST AUTHOR (4)

1. Ahmad, S., Ghani, A. A. A., (2018), Effectiveness Analysis of Aspect-Oriented Dependence Flow Graph as an Intermediate Representation Tool, *Journal of Computer Science* DOI: 10.3844/jcssp.2018.
2. Ahmad, S., C. W. Shamsul CW Ahmad, S. M. Sofi, H. Baharudin. *Penggunaan Graf Aliran Pergantungan Untuk Persembahan Program Berorientasikan Objek*, MyJICT, Vol. 2 2017, Issue 1 (eISSN 0127-7812) pp. 22 – 32).
3. Ahmad, S., Ghani, A. A. A., & Sani, F. M. (2014). DEPENDENCE FLOW GRAPH FOR ANALYSIS OF ASPECT-ORIENTED PROGRAMS. *International Journal of Software Engineering & Applications (IJSEA)*, 5(6), 125–144.
<http://www.airccse.org/journal/ijsea/current2014.html>
4. Ahmad, S., Basri, M., Rahman, K. N. A., Masrup, N. A. M., (2018), DEVELOPMENT OF MOBILE FATWA APPLICATION FOR THE SELANGOR STATE OF MUFTI DEPARTMENT, *International Research Journal of Electronics & Computer Engineering (ISSN 2412-4370 Online)*, Vol 4, Iss 1, March 2018.

JOURNAL – CO-AUTHOR (2)

5. Ismadi bin Md Badarudin, Dr. Nor Fazlida Mohd Sani, Mohd Zul bin Mohd Yusoff, Syarbaini bin Ahmad, Gawed Mokbel Saif. RL-Transformer – Java Code Transformation by Reducing -
6. Khan, S.M.N., Ahmad, S., (2018) A DEVELOPMENT OF HYBRID DECISION SUPPORT SYSTEM MODEL. *IJISR Volume 15, Issue 2, March 2018*,
<http://www.ijisr.com/issue/development-hybrid-decision-support-system-model>

PROCEEDING (17)

1. Khirulnizam Abd Rahman, Syarbaini Ahmad, Md Jan Nordin, The Design of an Automated C Programming Assessment Using Pseudocode Comparison Technique, NAQSES-2007
2. S. Ahmad, K. N. A. Rahman, A. Sulaiman, N. Mohammad, (2013) Object-Oriented Code Representation Using DFG for Maintenance Purpose, AICS2013.
3. S. Ahmad, A. A. A. Ghani, Nor Fazlida M. S., Rodziah Atan. Slicing Aspect-Oriented Software Maintenance. *INTEGRATION* 2009

4. Syarbaini Ahmad, A. A. A. Ghani, (2008) Implementation Aspect-Oriented as Reverse Engineering Development of Web Application System.
5. Hasnuddin A. R, Jamaluddin B, S. Ahmad. (2009). PENGGUNAAN TELEFON BIMBIT DALAM KALANGAN PELAJAR IPTS (INSTITUSI PENGAJIAN TINGGI SWASTA). In Conference On Muslim Education 2009.
6. N. Mohammad, S. Ahmad, M. F. M. Fathillah, Kajian Awal Pembangunan Sistem Notifikasi Aktiviti Surau Melalui Khidmat Pesanan Ringkas (SMS), ICIEd, 2010.
7. Syarbaini Ahmad¹, Khirul Nizam Abd Rahman¹, Azrul Sulaiman¹, Norasiah Mohammad², Object-Oriented Code Representation Using DFG for Maintenance Purpose, AICS2013.
8. S. ISMAIL, S. AHMAD, PERANAN MASJID AL-AZHAR KUIS DALAM DAKWAH, IMAF14, KUIS 2014
9. S. ISMAIL, M. F. YUSOFF, M. A. MAJID, S. AHMAD, S. A. BAKAR, Pendidikan Dewasa: Kajian di Masjid Al-Azhar KUIS, IMAF14, KUIS 2015.
10. M. N. Kama, Syarbaini Ahmad, Mohd Azrul Sulaiman, Izzudin Mohd Pisol, "Kajian literasi kaedah pengujian atas talian," in *IRMIC16*, 2014.
11. Mohd Azrul Sulaiman, Syarbaini Ahmad, Haniza Othman Izzudin Mohd Pisol, "LITERATURE REVIEW ON ONLINE TESTING METHOD," in *ITM16*, 2016, pp. 1–5.
12. Syarbaini Ahmad, Mohd Azrul Sulaiman, Izzudin Mohd Pisol, "PENERIMAAN PELAJAR INSTITUT PENGAJIAN TINGGI TERHADAP PEPERIKSAAN ATAS TALIAN DARI ASPEK NAVIGASI SISTEM" in *IRMIC17*, 2017.
13. S. Ahmad, N. A. M. Masrup, M. Basri, K. N. A. Rahman, A. Opir (2018), Development Of Mobile Fatwa Application For The Selangor State Of Mufti Department, IRCSTM Dubai.
14. S. Ahmad, N. A. M. Masrup, M. Basri, K. N. A. Rahman, A. Opir (2018), Kajian Penilaian Kebolehgunaan Aplikasi Mobil Fatwa, IRCSHT Kota Bharu.
15. Syarbaini Ahmad (2021), Kebolehgunaan Aplikasi M-Fatwa Jabatan Mufti Negeri Selangor Dari Aspek Tahap Mesra Pengguna, 7th INTERNATIONAL CONFERENCE ON MOSQUE, ZAKAT AND WAQF (I-MAF 2021).
16. Muhamad A. H., Muhammad F. M. Z., S. Ahmad, M. I. M. Pisol (2021) A Systematic Literature Review of the Trends and Issues on Cashless Payment, 8th IRMIC2021.
17. I. Yanuarsyah, S. Ahmad (2021), A Review Of Detection Technique For Flooding Zone And Landslide Susceptibility Zone, International Innovation Technology And Research Exhibition & Conference (ITREXC21)

EXIBITION POSTER (2)

1. Syarbaini Ahmad, Azrul Sulaiman, Asrina Suriani Ahmad Yunus, Penggunaan Graf Aliran Berkaitan Dalam Penyelenggaraan Perisian. ICompEx'16, POLIMAS Jitra Kedah – Gold Medal
2. Syarbaini Ahmad, Asrina Suriani Ahmad Yunus, Penggunaan Graf Aliran Berkaitan Dalam Penyelenggaraan Perisian. I-INOVA18, USIM Nilai, - Bronze Medal

REFEREES

ASSOC. PROF. DR MOKMIN BASRI
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