

UNIKL MITEC PUBLICATIONS 2013

Journal

1. A Conceptual Model of Uncertainty in Environmental Issues on Late Delivery for Construction Industry

Zirawani B, Salihin MN, & Noorfa HM. (2013). A conceptual model of uncertainty in environmental issues on late delivery for construction industry. *J. Advanced Material Research*, 610–613, 2889 – 2896. doi:10.4028/www.scientific.net/AMR.610-613.2889
<https://www.scientific.net/AMR.610-613.2889>

2. A Comparison of Intermetallic Compound (IMC), Analysis for Lead Based Solders and Lead Free Solders on Nickel Plating Substrate

Ismail S.A, & Azrina A. (2013). A comparison of Intermetallic Compound (IMC), analysis for lead based solders and lead free solders on nickel plating substrate. *Journal of Engineering Technology (JET)*, 3 (1).
<http://jetonline.bmi.unkl.edu.my/docs/vol3-23-27.pdf>

3. Electric System Cascade Analysis (ESCA): Solar PV System

Wai Shin Ho, Mohd Zul Waqar Mohd Tohid, Haslenda Hashim, & Zarina Abdul Muis. (2013). Electric System Cascade Analysis (ESCA): solar pv system. *International Journal of Electrical Power & Energy Systems*, 54, January 2014, 481-486.
<http://www.sciencedirect.com/science/article/pii/S0142061513003049>

4. Plasma-assisted MBE Growth of AlN/GaN/AlN Heterostructures on Si (111) Substrate, Superlattices and Microstructures

M.Z. Mohd Yusof, A. Mahyuddin, Z. Hassan, Y. Yusof, M.A. Ahmad, C.W. Chin, H.A. Hassan, & M.J. Abdullah. (2013). Plasma-assisted MBE growth of AlN/GaN/AlN heterostructures on Si (111) substrate, Superlattices and Microstructures. *60*, 500-507.
<http://www.sciencedirect.com/science/article/pii/S0749603613001730>

5. Influence of Al-flux on the Growth of AlN/GaN/AlN Films on Si (111) Substrat by MBE, Superlattices and Microstructures

M.Z. Mohd Yusof, A. Mahyuddin, Z. Hassan, H.A. Hassan, & M.J. Abdullah. (2013). Influence of Al-flux on the growth of AlN/GaN/AlN films on Si (111) substrat by MBE, Superlattices and Microstructures. *64*, 367-374.
<http://www.sciencedirect.com/science/article/pii/S0749603613003534>

Conference Papers

1. Lean Thinking Adoption in Malaysia: Identification of Practices and Barriers, and Critical Success Factors in Transition of Manufacturing to Services Industry

Awang, Mazlan, & Mohd Daril, Mohd Amran. (2013). *Lean Thinking Adoption in Malaysia: Identification of Practices and Barriers, and Critical Success Factors in Transition of Manufacturing to Services Industry*. Paper presented at Seminar Kecemerlangan Organisasi Melalui Kreativi Dan Inovasi (by Malaysian Productivity Corporation), 28 February, Kuantan, Malaysia.

2. Visible Penetration Testing Of Defects in Similar and Dissimilar Metal Butt Joint TIG Welding

Suhaila Yacob, Mustaffa Ibrahim, Rafidah Ali. (2013). *Visible Penetration Testing Of Defects in Similar and Dissimilar Metal Butt Joint TIG Welding*. Paper presented at 1st International Conference On Robust Quality Engineering (ICRQE 2013), 22-25 April, Kuala Lumpur, Malaysia.

3. Pelaksanaan Aktiviti Kaizen dalam Pengurusan LEAN bagi Sektor Perkhidmatan

Mohd Amran Mohd Daril, & Abdul Wahab Mohamad Ikbar. (2013). *Perlaksanaan Aktiviti Kaizen dalam Pengurusan LEAN bagi Sektor Perkhidmatan*. Paper presented at Seminar Kecemerlangan Organisasi Melalui Amalan Pengurusan LEAN (by Malaysian Productivity Corporation), 29 May, Kuala Terengganu, Malaysia.

4. The Application of Quality Function Deployment in Islamic Banking Mushārah Mutanāqisah Home Financing Product Development, Towards Policy & Business Based on Islamic Economics Principles

Khairul Firdaus Hj Adrutdin, & Azlan Ali. (2013). *The Application of Quality Function Deployment in Islamic Banking Mushārah Mutanāqisah Home Financing Product Development, Towards Policy & Business Based on Islamic Economics Principles*. 27-29 June, Bandung, Indonesia.

5. Determining Factors on Quality of Teaching and Learning in Higher Education Institutions: Insights From Educators

Nor Aini Abdul Rahman. (2013). *Determining Factors on Quality of Teaching and Learning in Higher Education Institutions: Insights From Educators*. Paper presented at Science and Engineering Technology National Conference 2013, 3-4 July, Bangi, Malaysia.

6. Intermetallic Compound (IMC) Analysis by Using Isothermal Aging Testing on Lead Free Solder

Ismail S.A, Azrina A., & L.Chee Ping. (2013). *Intermetallic Compound (IMC) Analysis by Using Isothermal Aging Testing on Lead Free Solder*. Paper presented at Science and Engineering Technology National Conference 2013, 3-4 July, Bangi, Malaysia.

7. Online Learning in Higher Education Institutions: Insights From Learners

Nor Aini Abdul Rahman, Fauziah Abdul Rahman, Faradina Ahmad. (2013). *Online Learning in Higher Education Institutions: Insights From Learners*. Paper presented at Science and Engineering Technology National Conference 2013, 3-4 July, Bangi, Malaysia.

8. Six Sigma Application: Enhancement Sigma Level Towards Quality Improvement at Automotive Company

Mohamad Ikbar Abdul Wahab, Melfa Yola, **Allina Abdullah**. (2013). *Six Sigma Application: Enhancement Sigma Level Towards Quality Improvement at Automotive Company*. Paper presented at the 2nd International Conference On Global Optimization and Its Applications 2013 (ICoGOIA2013), 28-29 August, Melaka, Malaysia.

9. The Concept of Halal Economy: An Initiative To Integrate The Halal Products Industry and Islamic Banking and Finance

Irfan I.S, M. Daud Awang, Suhaimi Ab. Rahman. (2013). *The Concept of Halal Economy: An Initiative To Integrate The Halal Products Industry and Islamic Banking and Finance*. Paper presented at Islamic Economic System Conference (iEcons), 4-5 September, Berjaya Times Square, Kuala Lumpur.

10. Modelling of Uncertainty on Late Delivery for Construction Industry in Environmental Issues: A Preliminary Review

Zirawani B., Salihin N, & Noorfa M. (2013). *Modelling of uncertainty on late delivery for construction industry in environmental issues: a preliminary review*. Paper presented at 8th EUROSIM Congress on Modelling and Simulation (EUROSIM2013), 10-14 September, United Kingdom.

11. Lean Thinking Adoption in Malaysia: Transition from Manufacturing to Hospitals (Lean Healthcare)

Awang Mazlan. (2013). *Lean Thinking Adoption in Malaysia: Transition from Manufacturing to Hospitals (Lean Healthcare)*. Paper presented at Seminar Pengurusan Lean Perkongsian Amalan Terbaik Negeri Melaka, 24 September, Melaka, Malaysia.

12. Assessment on the Utilization of Current Halal Certification Technologies by Halal Industry Players in Malaysia

Zuhra Junaida Husny, Izziati Saadah Ibrahim, Mohd. Iskandar bin Illyas, & Mohd Zaidi Abd Rozan. (2013). *Assessment on the Utilization of Current Halal Certification Technologies by Halal Industry Players in Malaysia*. Paper presented at International Conference on Systems Engineering and Engineering Management 2013, 23-25 October, San Francisco, USA.

13. Information Communication Technology Adoption Process for Malaysia Halal Transportation

Mohd. Iskandar bin Illyas, **Zuhra Junaida Husny**, & Raziah Noor Razali. (2013). *Information Communication Technology Adoption Process for Malaysia Halal Transportation*. Paper presented at International Conference on Systems Engineering and Engineering Management 2013, 23-25 October, San Francisco, USA.

14. Lean Healthcare Adoption in Malaysia: Transition from Manufacturing to Hospitals

Awang Mazlan. (2013). *Lean Healthcare Adoption in Malaysia: Transition from Manufacturing to Hospitals*. Paper presented at Seminar Pengurusan Lean Perkongsian Amalan Terbaik Negeri Johor, 30 October, Johor Bahru, Malaysia.

15. Dendriform Algebras from a Structural Viewpoint

Ikrom M.Rikhsiboev & Yuvendra Rao Venkatesan. (2013). *Dendriform algebras from a structural viewpoint*. Paper presented at Simposium Kebangsaan Sains Matematik ke-21 (SKSM21), November, Pulau Pinang, Malaysia.

16. Recycling of Aluminium – Developing Design Criteria for Aluminium Cans Compressor

O. K. Tan, S. L. Choi¹, A.Rasli¹, **M.Amran Mohd Daril**, & **Ishamuddin M.** (2013). *Recycling of Aluminium – Developing Design Criteria for Aluminium Cans Compressor*. Paper presented at International Material, Industrial and Manufacturing Engineering Conference (MIMEC2013), 4-6 December, Johor Bahru, Malaysia.

17. Development of Innovation Model for Research Universities in Malaysia

O. K. Tan, M. Y. Tan, S. L. Choi, A.Rasli, & **F.A. Abu Bakar.** (2013). *Development of Innovation Model for Research Universities in Malaysia*. Paper presented at International Material, Industrial and Manufacturing Engineering Conference (MIMEC2013), 4-6 December, Johor Bahru, Malaysia.

18. The Conceptual Model of Determinants toward Cloud Technology Adoption in Education

Rahimah Kassim, Latipah Nordin, & Rohana Yusof. (2013). *The Conceptual Model of Determinants toward Cloud Technology Adoption in Education*. Paper presented at 2nd International Conference of Technology Management, Business and Entrepreneurship [ICTMBE] 2013, 4-5 December, Melaka, Malaysia.

19. On Derivations of Low Dimensional Associative Dialgebras

M. Abubakar, I. S. Rakhimov, & **I. M. Rikhsiboev.** (2013). *On Derivations of Low Dimensional Associative Dialgebras*. Paper presented at The 3rd International Conference on Mathematical Sciences (ICMS), 17-19 December. Kuala Lumpur, Malaysia.

20. Development Time in Liquid Penetration Testing for Metal Butt Joint

Suhaila Yacob, Rafidah Ali, Nurul Huda Ariffin, Azrina Arshad, Shaiful Anwar Ismail, Fairul Anwar Abu Bakar, & Mustaffa Ibrahim. (2013). *Development Time in Liquid Penetration Testing for Metal Butt Joint*. Paper presented at International Conference on Mechanical and Manufacturing Engineering (ICME2013), 17-19 December, Bangi, Malaysia.

21. Design of Experiment (DOE) approach to Optimize Accuracy of Surface Roughness

Rafidah Ali, Suhaila Yacob, Nurul Huda Ariffin, Azrina Arshad, Shaiful Anwar Ismail, & Mohamad Ikbar Abdul Wahab. (2013). *Design of Experiment (DOE) approach to Optimize Accuracy of Surface Roughness*. Paper presented at International Conference on Mechanical and Manufacturing Engineering (ICME2013), 17-19 December, Bangi, Malaysia.

22. Investigation in Optimization Process Parameter of $\text{CaCu}_3\text{Mn}_4\text{O}_{12}$ via Sol – Gel Synthesis

A. Nurulhuda, A. Rafidah, A. Azrina, Y. Suhaila, I.S Anwar, & A.R.M Warikh. (2013). *Investigation in optimization process parameter of $\text{CaCu}_3\text{Mn}_4\text{O}_{12}$ via sol – gel synthesis*. Paper presented at International Conference on Mechanical and Manufacturing Engineering (ICME2013), 17-19 December, Bangi, Malaysia.

23. The Conceptual Model of Determinants toward Cloud Technology Adoption in Education

Rahimah Kassim, Latipah Nordin, & Rohana Yusof. (2013). *The Conceptual Model of Determinants toward Cloud Technology Adoption in Education*. Paper presented at 2nd International Conference of Technology Management, Business and Entrepreneurship [ICTMBE] 2013, 4-5 December, Melaka, Malaysia.

24. Pulse Active Harmonic (PAH) Features for ECG Biometric Authentication

Sairul Safie, Nur Haris, Azavitra Zainal, John Soraghan, & Lykourgos Petropoulakis. (2013). *Pulse Active Harmonic (PAH) Features for ECG Biometric Authentication*. Paper presented at First International conference on Artificial Intelligence, Modelling and Simulation, (AIM 2013), 3-5 December, Kota Kinabalu, Sabah.

25. Comparison of Pulse Active Ratio Similarity Measurement

Haidawati Nasir, **Sairul I Safie**, Kushsairy A Kadir, John Soraghan, & Lykourgos Petropoulakis. (2013). *Comparison of Pulse Active Ratio Similarity Measurement*. Paper presented at First International conference on Artificial Intelligence, Modelling and Simulation, (AIM 2013), 3-5 December, Kota Kinabalu, Sabah.

26. Public Transport Demand Analysis in Johor Bahru: Case study of Bas Iskandar Malaysia

Jamilahtun M.G., Mohd Hasrul Fadly A., & Norshaheeda M.N. (2013). *Public Transport Demand Analysis in Johor Bahru: Case study of Bas Iskandar Malaysia*. Paper presented at International Conference of Innovation Challenges in Multidisciplinary Research and Practice 2013, 13-14 December, Kuala Lumpur.

27. Comparative Study On Online Digital Text Versus Conventional Text

Jamilahtun M.G., **Mohd Mansor Salleh**, **Rahimah Kassim**, & **Rafidah Ali**. (2013). *Comparative Study On Online Digital Text Versus Conventional Text*. Paper presented at International Book Conference 2013, 11-12 December, PWTC Kuala Lumpur.

MITEC Research Colloquium 2013 - Papers

1. Assessment on the Utilization of Current Halal Certification Technologies by Halal Industry Players in Malaysia

Zuhra Junaida Mohamad Husny, Mohd Iskandar Ilyas Tan, Iziati Saadah Ibrahim, & Mohd Zaidi Abd Rozan. (2013). *Assessment on the Utilization of Current Halal Certification Technologies by Halal Industry Players in Malaysia*. Paper presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 49). Johor: UniKL.

2. Information Communication Technology Adoption Process for Malaysia Halal Transportation

Mohd Iskandar Ilyas Tan, Raziah Noor Razali, Mohd Ishak Desa, & **Zuhra Junaida Mohamad Husny**. (2013). *Information Communication Technology Adoption Process for Malaysia Halal Transportation*. Paper presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 64). Johor: UniKL.

3. Total Productive Maintenance: Issues and Direction for Future Research

Adnan Hj. Bakri, **Widya Kartini Mohd Razali**, **Mohd Zul-Waqar Mohd Tohid**, **Shaiful Anwar Ismail**, & **Mohd Fadzali Daud**. (2013). *Total Productive Maintenance: Issues and Direction for Future Research*. Paper presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 5). Johor: UniKL.

4. "Accesible Public Transport" Transport Provision for Disabled people in Malaysia

Mazlan Md. Zahid, **Tan Wing Shin (Rayner)**, & **Mohd Nasir Bin Alias**. (2013). *"Accesible Public Transport" Transport Provision for Disabled people in Malaysia*. Paper presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 22). Johor: UniKL.

5. Public Transport in Malaysia

Tan Wing Shin (Rayner), **Mazlan Bin Md. Zahid**, & **Mohd Hilmi Bin Abd. Rahman**. (2013). *Public Transport in Malaysia*. Paper presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 15). Johor: UniKL.

6. Analysis of Lightning Transient Effect on a Transformer Substation

Nur Fazira Haris, Nur Hazasha Shamsudin, & Ab Halim Abu Bakar. (2013). *Analysis of Lightning Transient Effect on a Transformer Substation*. Paper presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 36). Johor: UniKL.

7. Ilmu Logistik Menurut Perspektif Islam: Suatu Kajian Awal Menurut Al-Quran dan As-Sunnah

Fahrul Irfan Ishak. (2013). *Ilmu Logistik Menurut Perspektif Islam: Suatu Kajian Awal Menurut Al-Quran dan As-Sunnah*. Paper presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 80). Johor: UniKL.

MITEC Research Colloquium 2013 - Posters

1. An Improvement of Production Levelling to Meet Customer Order Variation using Lean Manufacturing Approach (Case Study at Onilux Sdn Bhd)

Shaiful Anwar Ismail, Azrina Arshad, Nurul Huda, Suhaila, Rafidah Ali, Widya Kartini, & Mohd Zul-Waqar. (2013). *An improvement of production levelling to meet customer order variation using lean manufacturing approach (case study at Onilux Sdn Bhd)*. Poster presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 88). Johor: UniKL.

2. Learners Perception vs. Experience Towards Poster Presentation

Latipah Nordin, Wan Nor Hana Wan Ismail, Rohana Yusof, & Rahimah Kassim. (2013). *Learners Perception vs. Experience Towards Poster Presentation*. Poster presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 90). Johor: UniKL.

3. The Acceptance of Moodle Application in Teaching and Learning Mashup: An Application of Technology Acceptance Model (TAM)

Rahimah Kassim, Rohana Yusof, Wan Najat Wan Azman, Rahimah Mahat. (2013). *The acceptance of Moodle application in teaching and learning mashup: an application of technology acceptance model (TAM)*. Poster presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 92). Johor: UniKL.

4. Application of Taguchi Method in Optimization of Process Parameter for Shielded metal arc welding (SMAW)

Siti Nurhamezah Hamsin, Azrina Arshad, Fairul Anwar Abu Bakar, Shaiful Anwar Ismail, & Hasbullah Ahmad Tajuddin. (2013). *Application of Taguchi Method in Optimization of Process Parameter for Shielded metal arc welding (SMAW)*. Poster presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 94). Johor: UniKL.

5. Development Ergonomic Workstation at Injection Moulding Machine

Mohd Azizi Majid, & Shaiful Anwar Ismail. (2013). *Development ergonomic workstation at injection moulding machine*. Poster presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 88). Johor: UniKL.

6. Design Improvement of Umbrella

Noorul Hidayah Omar, & Shaiful Anwar Ismail. (2013). *Design improvement of umbrella*. Poster presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 98). Johor: UniKL.

7. Design Improvement for class chair in UniKL MITEC

Aifa Shahasra Rahayu Shahabudin, & Shaiful Anwar Ismail. (2013). *Design Improvement for class chair in UniKL MITEC*. Poster presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 100). Johor: UniKL.

8. The Study on Effect of Soft Skill Entrepreneurship Training Towards Emotional Intelligence and Entrepreneur Culture among Johor Bahru Bumiputra Smes

Jimisiah Jaafar, Mohd Saiful Izwan S., & **Khairul Zaim K.** (2013). *The study on effect of soft skill entrepreneurship training towards emotional intelligence and entrepreneur culture among Johor Bahru Bumiputra SMEs*. Poster presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 102). Johor: UniKL.

9. Benefits Study of Ulu Tiram Interchange, Johor, Malaysia

Jamilahtun M.G., & **Farah Idayu M.S.** (2013). *Benefits Study of Ulu Tiram Interchange, Johor, Malaysia*. Poster presented at MITEC Research Colloquium 2013, 11 December, UniKL MITEC, JB, Malaysia (p. 104). Johor: UniKL.