

**Assoc. Prof. Dr. Yuhani Yusof**

Associate Professor,  
Pusat Sains Matematik,  
Universiti Malaysia Pahang,  
Lebuh Persiaran Tun Khalil Yaakob,  
26300 Kuantan,  
Pahang Darul Makmur, Malaysia.



09-4316688



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**ACADEMIC QUALIFICATIONS**

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• PhD (Mathematics), Universiti Teknologi Malaysia, Skudai, Johor, Malaysia</li> <li>• Msc (Mathematics), Universiti Teknologi Malaysia, Skudai, Johor, Malaysia</li> <li>• Bsc (Industrial Mathematics) with honors, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia</li> </ul> | 29 February 2012<br>23 December 2005<br>10 April 2003 |
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**CURRENT PROFESSIONAL MEMBERSHIP**

Malaysian Mathematical Sciences Society (PERSAMA), Lifetime Member: YS2007-1  
 Ahli Bersekutu Majlis Profesor Negara: MPN16101  
 Persatuan Akademik Staff Universiti Malaysia Pahang (PAKAD), Lifetime Member: 109  
 Persatuan SEJAHTERA Universiti Malaysia Pahang, Lifetime Member.

**CURRENT TEACHING AND ADMINISTRATIVE RESPONSIBILITIES**

BUM1133: Mathematics for Computer Graphics  
 Journal Manager of Data Analytics and Applied Mathematics journal: since 2019  
 Head of Discrete Mathematics Panel: 2022

**SOME 5-YEARS PREVIOUS ADMINISTRATIVE RESPONSIBILITIES**

JKK Jaminan Kualiti Pusat Sains Matematik: 2019  
 Head of Discrete Mathematics Panel: 2019  
 Committee Member of Data Science Task Force: 2019  
 MQA-02 Task Force for Ph.D (NEC 462)- Area 6: 2019-2021  
 MQA-02 Task Force for MSc. (Industrial Mathematics): Area 6: 2019  
 Committee Member of Postgraduate Studies- Cluster AIMS (Dynamical System): 2019  
 JKK Jaminan Kualiti Fakulti Sains & Teknologi Industri: since 2018  
 Committee Member of JK Hospitaliti ICoAIMS 2019: since 2018  
 Assistant PIC for AQMS 2.0 Improvement (Prosedur Penambahbaikan Rancangan Pengajaran): 2018  
 MQA-02 Task Force for Postgraduate (by research) FIST: Area 7  
 Committee Member of Information Management- Cluster AIMS (Dynamical System):2015-2018  
 Committee Member of Taskforce Master of Science (Industrial Mathematics) by Mix Mode: 2013-2017  
 Committee Member of Postgraduate Studies (Mathematics) by Research Mode: 2013 -2017

**PREVIOUS EMPLOYMENT**

<b>Lecturer/ Senior Lecturer</b> Faculty of Industrial Sciences & Technology, Universiti Malaysia PAHANG, Gambang, Pahang Darul Makmur.	December 1, 2008 – September 02, 2019
<b>Lecturer</b> Faculty of Mechanical Engineering, Universiti Malaysia PAHANG, Gambang, Pahang Darul Makmur.	February 01, 2007- November 30, 2008
<b>Lecturer</b> Faculty of Mechanical Engineering, Kolej Universiti Kejuruteraan dan Teknologi Malaysia, Gambang, Pahang Darul Makmur.	December 23, 2005- January 31, 2007
<b>Tutor</b> Faculty of Mechanical Engineering, Kolej Universiti Kejuruteraan dan Teknologi Malaysia, Gambang, Pahang Darul Makmur	November 14, 2005- December 22, 2005.
<b>Teaching Assistant</b> Jabatan Matematik, Fakulti Sains, Universiti Teknologi Malaysia, Skudai, Johor. Assist Faculty on Handling Tutorial Classes (Engineering Mathematics and C Programming).	July 12- September 30, 2005

**Research Assistant**

Jabatan Matematik, Fakulti Sains, Universiti Teknologi Malaysia, Skudai, Johor.

Research Title: Development of Symbolic Algorithms for Computing Univariate Integral Polynomial Greatest Common Divisors (GCD).

April 01-May 31, 2004 (75084)

Research Title: Mathematical Modelling of Convective Heat Transfer in Micropolar Fluids.

January 01– March 31, 2004 (74046)

Research Title: Rationalization of Molecular Vibrations of Water Molecule (H<sub>2</sub>O) via Group Theory.

July 01 – September 30, 2002 (71863)

**SUPERVISION**

No	Name	Level	Year	Title
1	Nur Atikah Binti Aziz	MSc. (UMP)	Oct 2022-current	New Formulation of Medicinal Cupping Point Algorithm via Adjacency Matrix Approach
2	Nooradelena Binti Mohd Ruslim	Ph.D (UMP)	Oct 2020-current	Effects on Number of Cutting Site in a Type of Splicing System via YG Approach
3	Durrani Aimi Binti Abdul Malik	MSc. (UMP)	Oct 2020-2023	Fuzzy MCDM as a Tool of Assessment Accessing the Best STEM Approach Towards Blended Learning
4	Nurfatihah Mohamad Hanafi	Ph.D (UMP)	Feb 2019-current	Graph Characterisation Inspired by Islamic Medicinal Cupping
5	Fatin Hanani Hasan (co-supervisor)	Ph.D (UMP)	Sept 2019-current	Determination of Nonabelian Tensor Product of Nontrivial Actions for Finite Cyclic 2-Groups
6	Marta A/P Elizabeth	Ph.D (UMP)	Nov 2018 -2022 (died)	Efficiency of Cupping in the Treatment of Hypertension Diseases using Graph Colouring
7	Mohammed Khalid Shahoodh (co-supervisor)	Ph.D (UMP)	Oct 2015- May 2018	Compatible Actions for Finite Cyclic Groups of $p$ -Power Order
8	Sahimel Azwal Sulaiman (co-supervisor)	Ph.D (UMP)	Mac 2014- June 2018	Compatible Pairs of Actions Graph for Finite Cyclic 2- Groups and the Associated Compatible Action Graph.
9	Muhammad Azrin Ahmad (co-supervisor)	Ph.D (UMP)	Sept 2012- Jun 2016	Second Order Limit Language and Its Properties in Yusof-Goode Splicing System
10	M. Hassan Mudaber M. Ali	MSc. (UMP)	Nov 2012- Feb 2015	Persistency and permanency of Two Stages Splicing Languages based on DNA Recombination Process by using Yusof-Goode (Y-G) Approach
11	Lim Wen Li	MSc. (UMP)	May 2013- April 2015	Single Stage DNA Splicing System via Yusof-Goode Approach
12	Tengku Fakhruzzaman Tengku Yusoff (co-supervisor)	BMM (UMP)	2008	Computational Analysis of Heat Transfer Rate Using Thermal Response Factor Method
13	Mohamad Faizul bin Khoruddin	DMM (UMP)	2006	Analogue Clock Analysis by Using Boothroyd-Dewhurst Design for Assembly (DFA) Technique.
14	Nurul Huda binti Baso	DMM (UMP)	2006	Analogue Watch Analysis by Using Boothroyd-Dewhurst Design for Assembly (DFA) Technique

**RESEARCH AND PUBLICATIONS****Research Grants: Current**

Title : Modelling the Effect on the Number of the Cutting Site in a Type of DNA Splicing System (Yusof-Goode) via De Bruijn Graph  
Date of research : 01 Oktober 2022- 30 September 2024  
Sponsor : RDU220344  
Amount : RM24 000.00  
Researchers : **Assoc. Prof. Dr. Yuhani binti Yusof (Head researcher)**, Assoc. Prof. Dr. Mohd Sham Mohamad, Dr. Noraziah Adzhar, Dr. Mohd Firdaus Abdul-Wahab, Cik Nurfatihah Mohamad Hanafi.

Title : New Formulation of Medicinal Cupping Point Algorithm for Diabetic Patient via Adjacency Matrix Approach  
Date of research : 07 September 2021- 06 September 2023  
Sponsor : FRGS/1/2021/STG06/UMP/02/1  
Amount : RM65 000.00

Researchers : **Assoc. Prof. Dr. Yuhani binti Yusof (Head Researcher)**, Prof. Dr. Nor Haniza Sarmin, Assoc. Prof. Dr. Mohd Sham Mohamad, Assoc. Prof. Wan Aliaa Wan Ismail, Dr. Noraziah Adzhar, Cik Nurfatihah Mohamad Hanafi, Mohd Adhha Ibrahim.

Title : On the Extension of n-th Order Limit Language in Paun Splicing System

Date of research : 01 September 2022- 31 August 2025

Sponsor : FRGS/1/2022/STG06/UMP/02/4

Amount : RM108 500.00

Researchers : Dr. Muhammad Azrin Bin Ahmad, **Assoc. Prof. Dr. Yuhani Binti Yusof (researcher)**, Assoc. Prof. Dr. Mohd Sham Mohamad, Dr. Kavikumar Jacob

Title : Compatible Pair Actions for Cyclic Groups of p-Power Order

Date of research : 01 September 2022- 31 August 2024

Sponsor : IIUM/504/14/11/1/IUMP-SRCG (IIUM-UMP Sustainable Research Collaboration Grant 2022)

Amount : RM20 000.00

Researchers : Assoc. Prof. Dr. Mohd Sham Mohamad, Dr. Sahimel Azwal Bin Sulaiman, Dr. Muhammad Azrin Bin Ahmad, **Assoc. Prof. Dr. Yuhani Binti Yusof (researcher)**, Dr. Nor Amirah Binti Mohd Busul Aklan

#### Research Grants: Previous

Title : Stock Price Analysis During COVID-19 Pandemic Based onMathematical Modelling

Date of research : 08 April 2022 – 15 December 2022

Sponsor : Geran Penelitian Internasional BINUS (PIB) Universitas Bina Nusantara

Amount : IDR 450 000

Researchers : Viska Noviantri, Siti Komsiyah, Rinda Nariswari, Dr. Faisal,Mediana Aryuni, **Assoc. Prof. Dr.Yuhani binti Yusof (researcher)**,

Title : Optimasi Graf Neural Networks pada Data Sains

Date of research : 01 February 2021 – 15 March 2022

Sponsor : Geran Penelitian Internasional BINUS (PIB) Universitas Bina Nusantara

Amount : IDR 450 000

Researchers : Dr.Alfi Yusrotis Zakiyyah, Dr.Faisal, Rojali, HerolistraBaskoroputro, **Assoc. Prof. Dr.Yuhani binti Yusof (researcher)**,

Title : New Algorithm for Obstacle-aware Routing Problem in VLSI design using VNS and Simulated Annealing Approach

Date of research : 01 September 2019- 31 May 2022

Sponsor : RDU1901214 (FRGS)

Amount : RM59 200.00

Researchers : Dr. Noraziah Adzhar, **Dr. Yuhani binti Yusof (researcher)**, Dr. Muhammad Azrin bin Ahmad, Dr. Mohd Khairul Bazli Mohd Aziz, Prof. Dr. Shaharuddin Salleh, Dr. Farhana Johar.

Title : Modelling of Medicinal Cupping Point(s) using Adjacency Matrix Approach

Date of research : 30 June 2017- 29 December 2019

Sponsor : RDU1703259 (UMP)

Amount : RM20 000.00

Researchers : **Dr. Yuhani binti Yusof (Head Researcher)**, Dr. Nor Aida Zuraimi Md Noar, Dr. Noraziah Adzhar, Dr. Adam Shariff Adli Aminuddin, Dr. Mohd Sham Mohamad, Prof. Dr. Nor Haniza Sarmin, Mohd Fariduddin Mukhtar, Mohd Adhha Ibrahim.

Title : Enhancing Security of Cryptosystem using Automorphism of Cyclic Groups of  $p$ -Power Order

Date of research : 30 June 2017- 29 December 2019

Sponsor : RDU1703265 (UMP)

Amount : RM20 000.00

Researchers : Dr. Mohd Sham Mohamad, Dr. Mohd Khairul Bazli Bin Mohd Aziz, Adam Bin Samsudin, Dr. Adam Shariff Bin Adli Aminuddin, **Dr. Yuhani Binti Yusof (researcher)**, Prof. Dr. Nor Haniza Sarmin (UTM)

Title : Routing Algorithm for Semi-Diagonal Torus Network with Dijkstra's Shortest Path Based Algorithm Using VNS and Simulated Annealing Approach

Date of research : 30 June 2017- 29 December 2019

Sponsor : RDU1703188 (UMP)

Amount : RM20 000.00

Researchers : Dr. Noraziah Adzhar, **Dr. Yuhani binti Yusof (researcher)**, Dr. Muhammad Azrin bin Ahmad, Prof. Dr. Shaharuddin Salleh.

Title : Pressure-Impulse Theory for Wave Impact on Inclined Seawalls.

Date of research : 01 July 2014 –30 June 2017

Sponsor : RDU140108 (FRGS)

Amount : RM72 200.00

Researchers : Dr. Nor Aida Zuraimi MdNoar, Dr Mohd Zuki Salleh, **Dr.Yuhani Yusof (researcher)**, Dr. Norhayati Rosli, Faieza Samat, Nor Alisa Damanhuri

Title	Characteristics of First Stage DNA Splicing Languages via Yusof-Goode Approach
Date of research	17 September 2013 – 18 June 2016
Sponsor	RDU131404 (RAGS)
Amount	RM56 342.00
Researchers	<b>Dr. Yuhani Yusof (Head Researcher)</b> , Dr. Norhayati Rosli, Dr. Mohd Sham Mohamad, Mohd Fariduddin Mukhtar, PM Dr. Nor Haniza Sarmin, Dr. Mohd Firdaus Wahab.
Title	Topological Description of Epileptic Seizure via Flat EEG 01 February 2014 – 31 January 2016
Date of research	01 February 2014 – 31 January 2016
Sponsor	RDU141307 (RACE)
Amount	RM43 000.00
Researchers	Dr. Tan Lit Ken, Prof. Tahir bin Ahmad, Dr. Mohd Sham Mohamad, <b>Dr. Yuhani Yusof (researcher)</b> , Dr. Norhayati Rosli.
Title	Persistent and Permanent Properties of First Stage DNA Splicing Languages via Yusof-Goode Approach
Date of research	25 June 2013 – 24 June 2015
Sponsor	RDU 130354
Amount	RM32 000.00
Researchers	<b>Dr. Yuhani Yusof (Head Researcher)</b> , Dr. Norhayati Rosli, Dr. Mohd Sham Mohamad, Nadirah Mohd Nasir, PM Dr. Nor Haniza Sarmin.
Title	Stochastic Logistic Model with Time Delay of Solvent Production by C. Acetobutylicum P262
Date of research	15 November 2012 – 14 November 2014
Sponsor	RDU 121303 (RACE)
Amount	RM46 000.00
Researchers	Dr. Norhayati Rosli (Head Researcher), Dr Mohd Zuki Salleh, <b>Dr. Yuhani Yusof (researcher)</b> , Nina Suhaity Azmi, YBhg. PM Dr. Madihah Md Salleh, Dr. Arifah Bahar.
Title	Stochastic Taylor Approximation of Stochastic Delay Differential Equations
Date of research	15 July 2012 – 14 December 2014
Sponsor	RDU UMP: 120362
Amount	RM28 000.00
Researchers	Dr. Norhayati Rosli (Head Researcher), PM Dr. Noraziah Ahmad, Dr Mohd Zuki Salleh, <b>Dr. Yuhani Yusof (researcher)</b> , Nadirah Mohd Nasir, Rahimah Jusoh
Title	Generalization of Rules in Splicing Languages
Date of research	15 November 2009 – 14 November 2011
Sponsor	Fundamental Research Grant Scheme (MOHE), Vote No.: <b>78482</b>
Amount	RM32 000.00
Researchers	Dr. Fong Wan Heng (Head Researcher), PM Dr. Nor Haniza Sarmin, Dr. Zuwairie Ibrahim, <b>Yuhani Yusof (co-researcher)</b>
Title	Solid Codes and Automata Diagrams in Splicing System
Date of research	01 April 2009 – 31 March 2010,
Sponsor	RMC, UTM, Vote No.: <b>77924</b>
Amount	RM10 000.00
Researchers	Dr. Fong Wan Heng (Head Researcher), PM Dr. Nor Haniza Sarmin, <b>Yuhani Yusof</b>

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Muhammad Fariddudin Mukhtar, Nur Aiman Hanis Hasim, Nur Amira Tohiran, Ahmad Syahmi Ali Arashid, Nik Muhammad Nazrol Muhammad, Mohd Hidayat Ab Rahman, **Yuhani Yusof**. "Portable Ablution System: A Conceptual Design Approach". (c) <2018>. Perbadanan Harta Intelek Malaysia. AR2018005964.

**2016**

**Yuhani Binti Yusof**, Mohd Sham Mohamad, Mohamad Hassan Mudaber. "Persistence and Permanency of DNA Splicing System Predictor". (c) <2016> Universiti Malaysia Pahang. 07 September 2016. 397. LY2017001270

**Yuhani Binti Yusof**, Norhayati Rosli, Nor Haniza Sarmin, Lim Wen Li. "Behaviour of DNA Splicing Language Predictor". (c) <2016> Universiti Malaysia Pahang. 07 September 2016. 398. LY2017001269

Nor Haniza Bt. Sarmin, **Yuhani Binti Yusof**, Fong Wan Heng, Mohd Firdaus bin Abdul Wahab, Muhammad Azrin bin Ahmad. "Gel Photo Visualisation of Second Order Limit Language". (c) <2016> Universiti Teknologi Malaysia- All Rights Reserved. 10 May 2016.(UTM.J.14.01/27.13/1 JLD108(66)).

**2010**

Nor Haniza Sarmin, **Yuhani Yusof**. "GAP Algorithms on Detecting 2-Engel Groups of Order at Most 20 (GAP\_D2E)". (c) <2010> Universiti Teknologi Malaysia- All Rights Reserved. 1 April 2010.(UTM.01.07/27.13/1 Jld83-e (66)).

Nor Haniza Sarmin, **Yuhani Yusof**. "GAP Algorithms on Presenting Characteristics of 2-Engel Groups of Order at Most 20 (GAP\_C2E)". (c) <2010> Universiti Teknologi Malaysia- All Rights Reserved. 1 April 2010. (UTM.01.07/27.13/1 Jld83-e (68)).

Nor Haniza Sarmin, **Yuhani Yusof**. "GAP Algorithms on Finding P(G) of 2-Engel Groups of Order at Most 20 (GAP\_P(G)2E)". (c) <2010> Universiti Teknologi Malaysia- All Rights Reserved. 1 April 2010. (UTM.01.07/27.13/1 Jld83-e (67)).

#### LIST OF SELECTED PUBLICATIONS (2010-CURRENT)

##### WoS indexed Journal/ Proceedings

#### 2015

Muhammad Azrin Ahmad, Nor Haniza Sarmin, **Yuhani Yusof** and Wan Heng Fong. (2014). Some Restrictions on the Existence of Second Order Limit Language. AIP Conference Proceedings. *Proceeding of the 22nd National Symposium on Mathematical Sciences (SKSM 22): Strengthening Research and Collaboration of Mathematical Sciences in Malaysia*. Hotel Grand Blue Wave, Shah Alam, 24-26 November 2014. **1682**(2015):020048 1-7. ISBN: 978-0-7354-1329-0. **ISI Indexed**. DOI: 10.1063/1.4932457.

Mohamad Hassan Mudaber, **Yuhani Yusof**, Mohd Sham Mohamad and Wen Li Lim. (2015). Persistency and Permanency of Two Stages DNA Splicing Languages with Respect to One Initial String and Two Rules via Yusuf- Goode (Y-G) Approach. AIP Conference Proceedings. *2nd ISM International Statistical Conference 2014 (ISM-II): Empowering the Applications of Statistical and Mathematical*. **1643**: 689-694. MS Garden Hotel, Kuantan, Pahang, Malaysia: 12-14th August 2014. ISBN: 978-0-7354-1281-1. **ISI indexed**. DOI: 10.1063/1.4907513.(Published: 03/02/15).

Wen Li Lim, **Yuhani Yusof** and Mohammad Hassan Mudaber. (2015). Modeling of DNA Single Stage Splicing Language via Yusuf-Goode Approach: One String with Two Rules. AIP Conference Proceedings. *2nd ISM International Statistical Conference 2014 (ISM-II): Empowering the Applications of Statistical and Mathematical*. **1643**: 695-699. MS Garden Hotel, Kuantan, Pahang, Malaysia: 12-14 August 2014. ISBN: 978- 0- 7354-1281-1. **ISI Indexed**. DOI: 10.1063/1.4907514. (Published: 03/02/15).

Sahimel Azwal Sulaiman, Mohd Sham Mohamad, **Yuhani Yusof**, Nor Haniza Sarmin, Nor Muhainiah Mohd Ali, Tan Lit Ken and Tahir Ahmad. (2015). Compatible Pair of Non-Trivial Actions for Some Cyclic Groups of 2-Power Order. AIP Conference Proceedings. *2nd ISM International Statistical Conference 2014 (ISM-II): Empowering the Applications of Statistical and Mathematical*. **1643**, 700-705. MS Garden Hotel, Kuantan, Pahang, Malaysia: 12-14 August 2014. ISBN: 978-0-7354-1281-1. **ISI indexed**. DOI: 10.1063/1.4907515. (Published: 03/02/15).

**Yuhani Yusof**, Wen. Li Lim, T. Elizabeth Goode, Nor Haniza Sarmin, Fong Wan. Heng and Mohd Firdaus Abd Wahab. (2015). Molecular Aspects of DNA Splicing System. AIP Conference Proceedings. *International Conference on Mathematics, Engineering and Industrial Application (ICOMEIA)*. **1660**: 050045. Gurney Hotel, Penang, Malaysia: 28-30 May 2014. ISBN: 978-0-7354-1304-7. **ISI indexed**. DOI: 10.1063/1.4915678. (Published: 15/05/15).

Mohammad Hassan Mudaber and **Yuhani Yusof**. (2015). Two Stages Splicing System. AIP Conference Proceedings. *International Conference on Mathematics, Engineering and Industrial Application (ICOMEIA)*. **1660**, 050046. Gurney Hotel, Penang, Malaysia: 28-30 May 2014. ISBN: 978-0-7354-1304-7. **ISI Indexed**. DOI: 10.1063/1.4915679. (Published: 15/05/15).

Wen Li, Lim and **Yuhani Yusof**. (2015). Modeling Limit Languages via Limit Adjacency Matrix and Yusuf- Goode Approaches. AIP Conference Proceedings. *International Conference on Mathematics, Engineering and Industrial Application (ICOMEIA)*. **1660**, 050042. Gurney Hotel, Penang, Malaysia: 28-30 May 2014. ISBN: 978-0- 7354-1304-7. **ISI indexed**. DOI: 10.1063/1.4915675. (Published: 15/05/15).

#### 2014

**Yuhani Yusof**, Nor Haniza Sarmin and Fong Wan Heng. (2014). The Concepts of Persistent and Permanent in Non Semi-Simple DNA Splicing System. AIP Conference Proceedings. *Proceeding of the 21st National Symposium on Mathematical Sciences (SKSM 21): Germination of Mathematical Sciences Education and Research Towards Global Sustainability*. Penang, Malaysia, 06-08 November 2013. **1605**: 586-590. ISBN: 978- 0- 7354-1241-5. **ISI indexed**. DOI: 10.1063/1.4887654. (Published: 10/07/14).

Mohammad Hassan Mudaber, **Yuhani Yusof** and Mohd Sham Mohamad. (2014). Some Sufficient Conditions for Persistency and Permanency of Two Stages DNA Splicing Languages via Yusuf-Goode Approach. AIP Conference Proceedings. *Proceeding of the 21st National Symposium on Mathematical Sciences (SKSM 21): Germination of Mathematical Sciences Education and Research Towards Global Sustainability*. Penang, Malaysia, 06-08 November 2013. **1605**: 591-595. ISBN: 978-0-7354-1241-5. **ISI indexed**. DOI: 10.1063/1.4887655. (Published: 10/07/14).

Muhammad Azrin Ahmad, Nor Haniza Sarmin, Fong Wan Heng and **Yuhani Yusof**. (2014). Second Order Limit Language in Variants Splicing System. AIP Conference Proceedings. *Proceeding of the 21st National Symposium on Mathematical Sciences (SKSM 21): Germination of Mathematical Sciences Education and Research Towards Global Sustainability*. Penang, Malaysia, 06-08 November 2013. **1605**: 639-643. ISBN: 978- 0- 7354-1241-5. **ISI indexed**. DOI: 10.1063/1.4887664. (Published: 10/07/14).

Mohammad Hassan Mudaber, **Yuhani Yusof** and Mohd Sham Mohamad. (2014). Some Relations between Two Stages DNA Splicing Languages. AIP Conference Proceedings. *Proceeding of the 3rd International Conference on Mathematical Sciences (ICMS3)*. Kuala Lumpur, Malaysia. 17-19 December 2013. **1602**: 254- 259. ISBN: 978-0-7354-1236-1. **ISI indexed**. DOI: 10.1063/1.4882496. (Published: 19/06/14).

Wen Li Lim, **Yuhani Yusof** and Norhayati Rosli. (2014). Prediction of Single Stage Limit Language and Adult Language via Yusuf-Goode Approach. AIP Conference Proceedings. *Proceeding of the 3rd International Conference on Mathematical Sciences (ICMS3)*. Kuala Lumpur, Malaysia. 17-19 December 2013. **1602**: 215- 221. ISBN: 978-0-7354-1236-1. **ISI indexed**. DOI: 10.1063/1.4882490. (Published: 19/06/14).

Muhammad Azrin Ahmad, Nor Haniza Sarmin, Fong Wan Heng and **Yuhani Yusof**. (2014). An Extension of First Order Limit Language. AIP Conference Proceedings. *Proceeding of the 3rd International Conference on Mathematical Sciences (ICMS3)*. Kuala Lumpur, Malaysia. 17-19 December 2013. **1602**: 627-631. ISBN: 978- 0- 7354-1236-1. **ISI indexed**. DOI: 10.1063/1.4882550. (Published: 19/06/14).

**2013**

**Yuhani Yusof**, Nor Haniza Sarmin, Wan Heng Fong, T. Elizabeth Goode and Muhammad Azrin Ahmad. (2013). An Analysis of Four Variants of Splicing Systems. AIP Conference Proceedings. *Proceeding of the 20th National Symposium on Mathematical Sciences (SKSM 20): Research in Mathematical Sciences: A Catalyst for Creativity and Innovation, PTS A and B*. Putrajaya, Malaysia. 18-20 December 2012. **1522(888)**: 888-895. ISBN: 978-0-7354-1150-0. **ISI Indexed**. DOI: 10.1063/1.4801223. (Published: 22/04/13).

**2012**

**Yuhani Yusof** and Nor Haniza Sarmin, T. Elizabeth Goode, Mazri Mahmud, Fong Wan Heng. (2012). Hierarchy of Certain Types of DNA Splicing Systems. *International Journal and Modern Physics: Conference Series*. **9(2012)**:271-277. International Conference Mathematical and Computational Biology 2011. Malacca, 12 – 14 April 2011. **Indexed by World Scientific Publishing**. DOI: 10.1142/S2010194512005314.

**2010**

Nor Haniza Sarmin, **Yuhani Yusof** and Fong Wan Heng. Some Characterizations in Splicing Systems. AIP Conference Proceedings. *International Conferences of Mathematical Sciences (ICMS 2010)*. Abant zzet Baysal Üniversitesi, Bolu, Turkey, 23-27 November 2010. **1309(1)**: 411-418. ISBN: 978-0-7354-0863-0. **Indexed by ISI Web of Knowledge**. DOI: 10.1063/1.3525142. (Published: 11/11/10).

**Scopus indexed Journal/ Proceedings****2022**

NM Ruslim, **Y Yusof**, N Adzhar.  $n$ -Cutting Site of DNA splicing language for single string and palindromic rule. *Journal of Physics: Conference Series*, **2157**: 012033. **Indexed by Scopus**. DOI: 10.1088/1742-6596/2157/1/012033. (Published: 17/01/2022).

Nooradelena Mohd Ruslim, **Yuhani Yusof**, Mohd Sham Mohamad, The representation of  $n$ -cutting site splicing languages for a single string with palindromic rule via de Bruijn graph. *AIP Proceeding*, **Indexed by Scopus**. (Accepted to be published).

Durrani Aimi Abdul Malik, **Yuhani Yusof**, Ku Muhammad Na'im Ku Khalif. A View of MCDM Application in Education. Determination STEM (Mathematics) blended learning criteria via Fuzzy AHP method. *AIP Proceeding*, **Indexed by Scopus**. (Accepted to be published).

Viska Noviantri, Regina Anastasia Kusnadi, Ade Suhendar, Mediana Aryuni and **Yuhani Yusof**. Stock Growth Rate Dynamics During Covid-19 Pandemic based on Lotka Volterra Model (4th Borneo International Conference on Applied Mathematics and Engineering: 26/10/2022 (in review)

Viska Noviantri, Andree Sulistio Chandra and **Yuhani Yusof**. Fit and Forecasting Indonesia Banking Stock Price During Covid-19 Pandemic Based on Logistic Differential Equation System. Accepted to be published in ICEBA 2023 Proceeding (EI & Scopus index) & will be presented at ICEBA2023:26-28/02/2023.

**2021**

Nooradelena Mohd Ruslim, Marta A/P Elizabeth, **Yuhani Yusof**, Mohd Sham Mohamad, Noraziah Adzhar. Deoxyribonucleic Acid (DNA) Splicing System from Graph Theoretic Perspective. *Journal of Physics: Conference Series*, **1988**: 012081. **Indexed by Scopus**. DOI: 10.1088/1742-6596/1988/1/012081. (Published: 18/08/2021).

Durrani Aimi Abdul Malik, **Yuhani Yusof**, Ku Muhammad Na'im Ku Khalif. A View of MCDM Application in Education. *Journal of Physics: Conference Series*, **1988**: 012063. **Indexed by Scopus**. DOI: 10.1088/1742-6596/1988/1/012063. (Published: 18/08/2021).

**2019**

**Yuhani b i n t i Yusof**, Mohd Sham b i n Mohamad, Noraziah Adzhar, Nurfatihah Mohamad Hanafi, Marta A/P Elizabeth, Muhamad Faiz Abu Bakar, Mohd Adhha Ibrahim. Optimal Medicinal Cupping Points Selection for Asthma Disease via Graph Colouring: A Preliminary Study. *Journal of Physics: Conference Series*, **1366**: 012078. **Indexed by Scopus**. DOI: 10.1088/1742-6596/1366/1/012078. (Published: 08/11/2019).

Noraziah Adzhar, Shaharuddin Salleh, **Yuhani Yusof**, Muhammad Azrin Ahmad. Routing Problem in Rectangular Mesh Network using Shortest Path based Greedy Method. *Journal of Physics: Conference Series*, **1366**: 012079. **Indexed by Scopus**. DOI: 10.1088/1742-6596/1366/1/012079. (Published: 08/11/2019).

Marta A/P Elizabeth, **Yuhani Yusof**, Mohd Sham Mohamad, Muhamad Faiz Abu Bakar, Mohd Adhha Ibrahim. Efficacy of Cupping in the Treatment of Hypertension Disease Using Graph Colouring. *Journal of Physics: Conference Series*, **1366**: 012044. **Indexed by Scopus**. DOI: 10.1088/1742-6596/1366/1/012044. (Published: 07/11/2019).

Nurfatihah Mohamad Hanafi, **Yuhani Yusof**, Mohd Sham Mohamad, Muhamad Faiz Abu Bakar, Mohd Adhha Ibrahim. A Preliminary Study of Optimizing Back Pain Medicinal Cupping Points Disease via Graph Colouring. *Journal of Physics: Conference Series*, **1366**: 012077. **Indexed by Scopus**. DOI: 10.1088/1742-6596/1366/1/012077 (Published: 07/11/2019).

Mohammed Khalid Shahoodh, Mohd Sham Mohamad, **Yuhani Yusof**, Sahimel Azwal Sulaiman, Subgraph of Compatible Actions Graph for Finite Cyclic Groups of  $P$ -Power Order. *Journal of Physics: Conference Series*, **1366**: 012064. **Indexed by Scopus**. DOI: 10.1088/1742-6596/1366/1/012064. (Published: 07/11/2019).

Muhammad Azrin bin Ahmad, Nor Haniza Sarmin, Fong Wan Heng, **Yuhani Yusof** (2018). Second Order Limit Language with Two Cutting Site. *International Journal of Innovative Technology and Exploring Engineering*. SSN: 2278-3075 (Published: 2019).

**2018**

Mohammed Khalid Shahoodh, Mohd Sham Mohamad, **Yuhani Yusof**, Sahimel Azwal Sulaiman, Number Compatible Pair of Actions for Finite Cyclic Groups of P-Power Order. *Jurnal teknologi*, **80** (5): 163-168. **Indexed by Scopus**. ISSN 2180–3722. DOI: <https://doi.org/10.11113/jt.v80.11317> (Published: 09/2018).

**2017**

Mohammed Khalid Shahoodh, Mohd Sham Mohamad, **Yuhani Yusof**, Sahimel Azwal Sulaiman, Number Compatible Pair of Actions for Cyclic Groups of 3-Power Order. *International Journal of Simulation, System and Science and Technology*, **8** (4): 1.1. ISSN 1473-804x online, 1473-8031 print. **Indexed by Scopus**. DOI: 10.5013/IJSSST.a.18.04.01. (Published: 12/2107).

Sahimel Azwal Sulaiman, Mohd Sham Mohamad, **Yuhani Yusof**, Mohammed Khalid Shahoodh. The Number of Compatible Pair of Actions for Cyclic Groups of 2-Power Order. *International Journal of Simulation, System and Science and Technology*, **8** (4): 2.1. ISSN 1473-804x online, 1473-8031 print. **Indexed by Scopus**. DOI: 10.5013/IJSSST.a.18.04.02. (Published: 12/2107).

Mohammad Hassan Mudaber, **Yuhani Yusof**, Mohd Sham Mohamad. Differentiating the Persistency and Permanency of Some Two Stages DNA Splicing Language via Yusof-Goode (Y-G) Approach. IOP Conf. Series: Journal of Physics 890 (2017) 012081.

Mohd Sham Mohamad, Sahimel Azwal Sulaiman, **Yuhani Yusof**, Mohammed Khalid Shahoodh. Compatible Pair of Nontrivial Action for Finite Cyclic 2-Groups. IOP Conf. Series: Journal of Physics 890 (2017) 012120.

**2015**

Mohammad Hassan Mudaber, **Yuhani Yusof**, Mohd Sham Mohamad and Lim Wen Li. (2015). Persistency and Permanency of Two Stages Splicing Languages via Yusof-Goode (Y-G) Approach: Two Initial Strings and Two Rules. *Jurnal Teknologi*. **77**(1): 223-228. ISSN 2180–3722. **Scopus indexed**. (Published: 01/10/15).

Wen Li Lim, **Yuhani Yusof**, Norhayati Rosli, Mohammad Hassan Mudaber. (2015). Modelling the Behaviour of Single Stage Splicing Languages via Yusof-Goode Computational Approach. *Jurnal Teknologi*. **73**(1): 135-138. ISSN 210-3722. **Scopus indexed**. (Published: 01/02/15).

**2014**

Muhammad Azrin Ahmad, Nor Haniza Sarmin, Fong Wan Heng and Yuhani Yusof. A New Relation of Second Order Limit Language in Simple and Semi-Simple Splicing System. *Jurnal Teknologi (Sciences & Engineering) Special Issue in Science and Technology*. **71**(5):13-15,2014. ISSN: 2180–3722. **Scopus indexed**. DOI: <https://doi.org/10.11113/jt.v71.3845>

Muhammad Azrin Ahmad, Nor Haniza Sarmin, Wan Heng Fong, **Yuhani Yusof**. (2015). A Comparison of Second Order and Non-Second Order Limit Language Generated by Yusof-Goode Splicing System. *Jurnal Teknologi*. **72**(1): 27-31. ISSN 2180–3722. **Scopus indexed**. (Published: 01/12/2014).

**2011**

**Yuhani Yusof**, Nor Haniza Sarmin, Mazri Mahmud, T. Elizabeth Goode and Fong Wan Heng. (2011). An Extension of DNA Splicing Systems. *6th International Conference on Bio-Inspired Computing: Theories and Applications 2011 (BICTA-2011)*, Park Royal Hotel, Penang, Malaysia, 27-29th September 2011. ISBN: 978-0-7695-4514-1/11. **Indexed by Scopus & IEEE**. DOI: 10.1109/BIC-TA.2011.67.

**2010**

Fong Wan Heng, Nor Haniza Sarmin and **Yuhani Yusof**. Some Analysis on Certain Types of Splicing Systems. *The Fifth International Conference on Bio-Inspired Computing: Theories and Applications (BIC-TA 2010)*, Liverpool Hope University, Liverpool, United Kingdom. 23-26 September 2010. pp: 1319-1321. ISBN: 978-1- 4244-6439-5. **Indexed by Scopus & IEEE**.

**Google Scholar etc. indexed Journal/ Proceedings****2020**

Nurfatihah Mohamad Hanafi, **Yuhani Yusof**, Mohd Sham Mohamad, Muhamad Faiz Abu Bakar, Mohd Adhha Ibrahim. Medicinal Cupping in the Eyes of Graph Theory. *Data Analytics and Applied Mathematics* **1**:44-49. **Indexed by MyJurnal**. DOI: <https://doi.org/10.15282/daam.v1i01.5325>. (Published: 01/12/2020).

**2018**

Muhammad Azrin Ahmad, Nor Haniza Sarmin, Mohd Firdaus Abdul Wahab, Fong Wan Heng and **Yuhani Yusof**. (2018). Biomolecular Aspects of Second Order Limit Language. *Malaysian Journal of Fundamental and Applied Sciences*. **14**(1): 15-19. ISSN 2289-5981. Emerging Science Citation Indexed (Published: 08/03/18).

**2016**

Sahimel Azwal Sulaiman, Mohd Sham Mohamad, **Yuhani Yusof** and Mohammed Khalid Shahoodh. (2016). Number of Compatible Pair for Nontrivial Actions of Finite Cyclic 2-Groups. *Proceedings of 4<sup>th</sup> International Science Postgraduate Conference 2016 (ISPC2016)*. **MO27**: 161-165. UTM JB, Johor, Malaysia: 22-24<sup>th</sup> February 2016, Johor. ISBN 978-967-0194-54-7. (Published 22-24/02/16).

Sahimel Azwal, Sulaiman and Mohd Sham, Mohamad and **Yuhani, Yusof** and Shahoodh, Mohammed Khalid (2016) Compatible Pair of Nontrivial Action for Finite Cyclic 2-Groups. In: *Proceedings of The National Conference for Postgraduate Research (NCON-PGR 2016)*, 24-25 September 2016, Universiti Malaysia Pahang (UMP), Pekan, Pahang. pp. 39-42. <http://umpir.ump.edu.my/id/eprint/15015/>

Mohammed Khalid Shahoodh, Mohd Sham Mohamad, **Yuhani Yusof** and Sahimel Azwal Sulaiman. (2016). Compatible Pair of Nontrivial Actions for Cyclic Groups of 3-Power Order. *The Third National Conference for Postgraduate Research (UMP NCON-PGR 2016)*. UMP Pekan, Kuantan, Pahang, Malaysia: 24-25<sup>th</sup> September 2016. (Published 21/12/16).

#### 2015

Muhammad Hassan Mudaber, **Yuhani Yusof**, Mohd Sham Mohamad and Wen Li, Lim. (2015). Persistent and Permanent Point of Views of Two Stages DNA Splicing Languages. *ISCA Research Journal of Mathematical and Statistical Sciences*. 3(1): 15-23. ISSN 2320-6047. Google Scholar indexed. (Published: 09/01/15)

#### 2014

Muhammad Azrin Ahmad, Nor Haniza Sarmin, Fong Wan Heng and **Yuhani Yusof**. (2014). Second Order Limit Language Associated with Two Rules. *Proceedings of the 2<sup>nd</sup> International Science Postgraduate Conference 2014 (ISPC 2014)*, UTM, 10-12 March 2014, pp. 670-676. ISBN: 978-967-0194-39-4.

Muhammad Hassan Mudaber, **Yuhani Yusof** and Mohd Sham Mohamad. (2014). Predicting the Persistency and Permanency as well as Relations between Two Stages DNA Splicing Languages using C#. *Proceedings of the 10th IMT-GT International Conference on Mathematics, Statistics and its Applications 2014 (ICMSA2014)*. 14-16 October, Kuala Terengganu, Malaysia. pp. 199-206. ISBN 978-967-0524-67-2.

Lim Wen Li, **Yuhani Yusof** and Muhammad Hassan Mudaber. (2014). Prediction of Single Stage Yusof- Goode Splicing Language Involving Two Strings. *Proceedings of the 10th IMT-GT International Conference on Mathematics, Statistics and its Applications 2014 (ICMSA2014)*. pp. 192-198. ISBN 978-967-0524-67-2.

M.A. Ahmad, N. H. Sarmin, W. H. Fong and **Y. Yusof**. (2014). A New Relation of Second Order Limit Language in Several Types of DNA Splicing System. *Proceedings of the 5th International Graduate Conference on Engineering, Science and Humanities Postgraduates Conference 2014 (IGCESH 2014)*. UTM, 19-21 August 2014, pp.95-96. ISSN: 1823-3278.

#### 2011

Nor Haniza Sarmin, **Yuhani Yusof**, Hazzirah Izzati Mat Hassim, Fadila Normahia Abd Manaf. The Commutatively Degree of 2-Engel Groups of Order at Most 20. *Menemui Matematik (Discovering Mathematics)*. 33(1):1-9. ISSN: 2231/7023.

#### 2010

**Yuhani Yusof**, Nor Haniza Sarmin, Fong Wan Heng and Fariba Karimi. (2010). Some Relations on Different Types of Splicing Systems. *Journal of Fundamental Sciences*. 6(2):143-147. Regional Annual Fundamental Science Seminar (RAFSS 2010). Grand Seasons Hotel, Kuala Lumpur, Malaysia, 08 – 09th June 2010. ISSN: 1823-626X. (Published: 15/10/10).

Fong Wan Heng, Nor Haniza Sarmin and **Yuhani Yusof**. Bio-Mathematical Concepts in DNA Splicing System, *The 4st South East Asian Technical University Consortium (SEATUC) Symposium*, Shibaura Institute of Technology, Tokyo, Japan. 25-26 February 2010, pp: 147-150. ISSN 1882-5796.

#### 2009

Fong Wan Heng, Nor Haniza Sarmin and **Yuhani binti Yusof**. (2009). Persistent and Permanent Splicing System. *Second International Conference and Workshops on Basic and Applied Sciences & Regional Annual Fundamental Science Seminar (ICORAFSS 2009)*, The ZON Hotel, Johor Bahru, Malaysia. 02 - 04 June 2009. pp: 17- 20.

**Yuhani Yusof**, Nor Haniza Sarmin and Fong Wan Heng. (2009). Automata Diagrams for Non-Simple Splicing Systems. *Prosiding Simposium Kebangsaan Sains Matematik Ke-17 2009 (SKSM17)*. Mahkota Hotel, Malacca, 15- 17 Dec 2009, pp: 79-83.

#### 2008

Ab Halim, M.A., Azmir, M.A., **Yusof, Y.** (2008). Statistical Modelling of Surface Roughness in end Milling of Aluminium Alloy 6061-T6. *Prosiding Simposium Kebangsaan Sains Matematik ke-16*. Renaissance Hotel, Kelantan, 03-05 June 2008, pp: 366-371.

Fadhlor *et. al*, Proceedings of Mechanism Design Conference 2008, Faculty of Mechanical Engineering, Universiti Malaysia Pahang, 23 April 2008. ISBN: 978-967-5080-35-7.

#### 2006

**Yuhani Yusof**, Nor Haniza Sarmin. (2006). The Degree of Abelianness of All 2-Engel Groups of Order At Most 20. *Prosiding Simposium Kebangsaan Sains Kuantitatif (SKSK06)*, Hotel Helang, Langkawi, 19-21 December 2006.

Nor Haniza Sarmin, **Yuhani Yusof**. (2006). On 2-Engel Groups of Order at Most 20. *Prosiding Simposium Kebangsaan Sains Matematik ke-XIV*. PNB Darby Park, Executive Suites, Kuala Lumpur, 06-08 June 2006. pp: 37- 40.



**Book****2019**

Norazaliza Mohd Jamil, Nor Alisa Damanhuri, **Yuhani Yusof**, Nor Aida Zuraimi Md Noar, Norhafizah Md Sariff (2019) *Mathematical Formulae 3.0*. Penerbit UMP. ISBN: 978-967-2054-68-9

**2018**

Norazaliza Mohd Jamil, Nor Alisa Damanhuri, **Yuhani Yusof**, Nor Aida Zuraimi Md Noar, Norhafizah Md Sariff (2016) *Mathematical Formulae 2.0*. Penerbit UMP. ISBN: 978-967-2054-68-9

**2016**

Norazaliza Mohd Jamil, Nor Alisa Damanhuri, **Yuhani Yusof**, Nor Aida Zuraimi Md Noar, Norhafizah Md Sariff (2016) *Mathematical Formulae*. Penerbit UMP. ISBN: 978-967-2054-16-0

**Book Chapter****2014**

Muhammad Azrin Ahmad, Nor Haniza Sarmin, **Yuhani Yusof**. Second Order Limit Language: An Introduction In: Fong Wan Heng and Yusof Yaacob. *Recent Advances in DNA Splicing System*. Malaysia: Penerbit UTM Press. 43- 57; 2014. ISBN: 978-983-52-1000-6.pg. 1-14.

**Workbook****2016**

**Yuhani binti Yusof**, Adam Samsudin, Chuan Zun Liang, Muhammad Azrin bin Ahmad. (2016). *Discrete Structure & Applications (BUM1433) for Computer Science Students*. Edit by: Mohd Sham Mohamad, Adam Shariff Adli Aminuddin, Intan Sabariah Sabri.

**Oral Presentation****2019**

Mohd Sham Mohamad, **Yuhani Yusof**, K u Muhamad Na'im Ku Khalif and Mohd Khairul Bazli Mohd Aziz (2019) Clustering of Rainfall Data using K-Means Algorithm. *GEOMATE 2019*. Tokyo, Japan.

Muhammad Azrin Ahmad, Nor Haniza Sarmin, Fong Wan Heng, Yuhani Yusof and Noraziah Adzhar (2019). On the New Relation of Second Order Limit Language and Other Different Types of Splicing System. *SKSM27*. Bangi, Malaysia.

**2011**

**Yuhani Yusof**, Nor Haniza Sarmin, Fong Wan Heng, T. Elizabeth Goode & Mazri Mahmud. (2011). Semi-null Splicing System via Yusof-Goode Approach. *National Science Postgraduate Conference 2011 (NSPC 2011)*. Ibnu Sina Institute for Fundamental Science Studies, UTM Johor Baru, Malaysia, 15-17 November 2011.

**2009**

Nor Haniza Sarmin, Fong Wan Heng and **Yuhani binti Yusof**. (2009). Regular Expressions of Non-Simple Splicing Languages. *ESciNano Annual Symposium 2009*. The ZON Hotel, Johor, 30 November -01 December 2009.

**Poster Presentation****2022**

Durrani Aimi Abdul Malik, **Yuhani Binti Yusof**, Ku Muhammad Na'im Ku Khalif (2022). Modelling the Best STEM Approach of Blended Learning via Fuzzy AHP. *Creation, Innovation, Technology & Research Exposition (CITReX 2022)*. 11 March 2022. Universiti Malaysia Pahang. (Silver Medal).

**2019**

Noraziah Binti Adzhar, **Yuhani Binti Yusof**, Muhammad Azrin bin Ahmad (2019). Obstacle Routing Problem in a Rectangular Mesh Network. *Creation, Innovation, Technology & Research Exposition (CITReX 2019)*. 12-13 February 2019. Universiti Malaysia Pahang. (Silver Medal).

**2018**

**Yuhani Binti Yusof**, Muhamad Faiz bin Abu Bakar, Muhammad Khairil Akmal Mohd Khairuddin, Mohd Sham Mohamad, Adam Shariff bin Adli Aminuddin, Noraziah binti Adzhar, Nor Aida Zuraimi Md Noar, Mohd Adhha bin Ibrahim, Nor Haniza Sarmin, Muhammad Fariduddin Mukhtar. (2018). Medicinal Cupping Point(s) Predictor. *Creation, Innovation, Technology & Research Exposition (CITReX 2018)*. 07-08 February 2018. Universiti Malaysia Pahang. (Silver Medal).

Muhammad Azrin bin Ahmad, Noraziah Binti Adzhar, **Yuhani Binti Yusof**, Nor Haniza Sarmin, Fong Wan Heng, Mohd Firdaus Abdul-Wahab. (2018). Biomolecular Aspects of Second Order Limit Language. *Creation, Innovation, Technology & Research Exposition (CITReX 2018)*. 07-08 February 2018. Universiti Malaysia Pahang. (Silver Medal).

**2016**

**Yuhani Binti Yusof**, Mohd Sham Mohamad, Mohammad Hassan Mudaber and Sahimel Azwal Sulaiman. (2016). Persistency and Permanency of Splicing System via de Bruijn Graph. Creation, Innovation, Technology & Research Exposition (CITReX 2016). 09-10 March 2016. Universiti Malaysia Pahang. (Certificate of Attendance).

**2015**

**Yuhani Binti Yusof**, Mohammad Hassan Mudaber, Mohd Sham Mohamad and Nadirah Mohd Nasir. (2015). Prediction Model of DNA Splicing Languages. Creation, Innovation, Technology & Research Exposition (CITReX 2015). 09-10 March 2015. Universiti Malaysia Pahang. (Bronze Medal).

**Yuhani Binti Yusof**, Wen Li Lim, Norhayati Rosli, Mohd Fariduddin Mukhtar and Sahimel Azwal Sulaiman. (2015). Behaviour of DNA Splicing Language Predictor. Creation, Innovation, Technology & Research Exposition (CITReX 2015). 09-10 March 2015. Universiti Malaysia Pahang. (Bronze Medal).

**2014**

Mohammad Hassan Mudaber, **Yuhani Binti Yusof** and Mohd Sham Mohamad. 2014. DNA splicing system predictor. Creation, Innovation, Technology & Research Exposition (CITReX 2014). Universiti Malaysia Pahang: 05-06 March 2014. (Bronze Medal)

Wen Li, Lim, **Yuhani Binti Yusof** and Norhayati Rosli. 2014. DNA Splicing Language Predictor. Creation, Innovation, Technology & Research Exposition (CITReX 2014), Universiti Malaysia Pahang: 05-06 March 2014. (Gold Medal)

**2013**

Norhayati Rosli, Arifah Bahar, **Yuhani Yusof**, Nadirah Mohd Nasir, Madihah Md Salleh & Mohd Zuki Salleh. 2013. Stochastic Modelling of Solvent Production by C. Acetobutylicum P262 in Fermentation Process. Creation, Innovation, Technology & Research Exposition (CITReX 2013), Universiti Malaysia Pahang: 27- 28 May 2013. (Silver Medal)

Muhammad Azrin Ahmad, Nor Haniza Sarmin, Fong Wan Heng, Yuhani Yusof. On the Characteristics of Second Order Limit Language, The Asia Mathematical Conference 2013 (AMC 2013), 01– 04 July 2013, Busan, Korea.

**e-News****2023**

<https://psm.ump.edu.my/index.php/about/news-events/guest-speaker-for-the-international-seminar-and-global-learning-system-gls-program-with-binus-university-2>

Report By: Yuhani Yusof, Mohd Sham Mohamad, Amirul Aizad Ahmad Fuad

**2022**

<https://psm.ump.edu.my/index.php/about/news-events/guest-speaker-for-the-global-learning-system-gls-program-at-the-binus-university-indonesia>

Report By: Yuhani Yusof

<https://psm.ump.edu.my/index.php/about/news-events/workshop-of-updating-insight-for-daam-journal-s-website>

Report By: Yuhani Yusof and Chuan Zun Liang

<https://psm.ump.edu.my/index.php/about/news-events/congratulations-puan-durrani-aimi-abdul-malik-for-passing-her-viva-voce>

Report By: Yuhani Yusof

<https://psm.ump.edu.my/index.php/about/news-events/invited-speaker-for-the-global-learning-system-gls-and-sharing-knowledge-program-at-the-binus-university-indonesia>

Report By: Yuhani Yusof

**RESEARCH RECOGNITION**

Articles Reviewer of SKSM30, UniMAP, 2023

Articles Reviewer of ICoAIMS2023, UMP, 2023

Invited Speaker, International Seminar and GLS-Linear Algebra, Determinant and Inverse of Matrix, BINUS University, 21/03/2023

UMP Grant Panel: Geran Fundamental Research Grant, 2023

Mentor of FRGS Application, PSM .UMP: 2023

Chairperson of Oral Examination for MSc Student (MCK20009), 2023

Examiner of Proposal Defend/ Pre-Viva: 2012-current

Invited Speaker, GLS-Modern Algebra and Sharing Knowledge, BINUS University, Group of Permutations, 16/11/2022

Invited Speaker, GLS-Modern Algebra, BINUS University, Group of Permutations, 06/04/2022

Manuscript Reviewer of Advances in Engineering Software, 2022

Manuscript Reviewer of MJFAS, 2022

Articles Reviewer of ICoAIMS, UMP, 2022

Articles Reviewer of ICATASS, 2022

UMP Grant Panel: Geran Fundamental Research Grant, Geran Padanan, 2022

PSM Grant Panel: Geran Padanan, 2022

Chairperson of Oral Examination for MSc Student (MSM1900), 2022

Chairperson of Oral Examination for MSc Student (MMV19002), 2022  
 Invited Speaker, AAAG International Seminar Series I, Application of Graph Theory: An Introduction, 07/04/2021  
 Articles Reviewer of SKSM28, UMP, 2021  
 Articles Reviewer of IACE2021, UUM, 2021  
 Articles Reviewer of ICCSCI2021, BINUS University, Indonesia, 2021  
 Article Reviewer of SiMD2021, 2021  
 UMP Grant Panel: FRGS, KWSP Grant, UMP Fundamental Grant, 2021  
 External Panel of Assoc. Prof. Appointment, UTHM, 2021  
 Expert Panel of Instrument Research, UPSI, 2021  
 Manuscript Reviewer of MJFAS, 2021  
 Guest Lecturer, BINUS Global Learning System (Modern Algebra), 2020  
 Manuscript Reviewer of ASTESJ Journal, 2020  
 Manuscript Reviewer of Journal of Complementary and Alternative Medical Research, 2020  
 Member of Mesyuarat Jawatankuasa Penilaian Penyelidikan Bil.20/2019  
 Articles Reviewer of ICOWOBAS, 2019  
 Reviewer Buku Hadiah Penerbitan, Hari Kualiti & Inovasi UMP 2019  
 Articles Reviewer of MUCET, 2019  
 Articles Reviewer of ICoAIMS 2019  
 Articles Reviewer for the 5th Mechanical Engineering Research Day (MERD'19), 2019  
 Calon Panel Temu Duga Biasiswa MyBrainSc Kementerian Pendidikan Malaysia, 2019  
 Reviewer for MJFAS (UTM), 2019  
 Internal Reviewer for Anugerah MAPIM and Anugerah Buku Negara, 2019  
 Secretariat for Viva-Voce Ph.D (PSE15005):05/08/2019  
 Manuscript Reviewer for Jurnal Teknologi (1 paper), 2018  
 Articles Reviewer for the 4th International Conference on the Applications of Science and Mathematics 2018 (SCIEMATHIC2018)  
 Articles Reviewer for 3rd International Conference on Mathematics, Engineering & Industrial Applications (ICoMEIA 2018)  
 Articles Reviewer for the 5th International Conference on Quantitative Sciences & Its Applications (ICoQSIA 2018)  
 Articles Reviewer for the 5th Mechanical Engineering Research Day (MERD'18), 2018  
 Articles Reviewer for 3rd International Conference on Mathematical Sciences and Statistics (ICMSS2018), 2018  
 Facilitator of Mathematics Support Centre, UMP Gambang, 2014-current  
 Articles Reviewer for International Seminar on Mathematics in Industry (ISMI 2017)  
 Articles Reviewer for KIK P&P Kolej Matrikulasi Gopeng (Matematik): Probability Editorial Board of International Journal of Computing Science & Applied Mathematics, 2016  
 Articles Reviewer for International Conference on Multidisciplinary Method & Methods 2016 (ICMMM 2016)  
 Industrial Supervisor for Industrial Training (UiTM): Nur Auni Fatimah binti Mat Ganti, 2016  
 Manuscript Reviewer for Jurnal Teknologi, 2016  
 Articles Reviewer for ICoMEIA 2016.  
 Scientific Reviewer for Book Chapter of Penerbit UTM, 2014.  
 Articles Reviewer of ISM-II, 2014.

#### **SELECTED COMMUNITY SERVICE (2012-CURRENT)**

##### **2022**

CSR-PSM: Agihan Sampul Kasih Ramadhan & Syawal Pusat Jagaan Hembusan Kasih Sayang

##### **2019**

JK Pendaftaran Mathemania (01/08/2019)

JK Pembelian Barang/ Penyumbang Program Menjelang Syawal Bersama Golongan Asnaf (05/2019)

Gotong Royong Penyediaan Iftar Ramadhan 1440H (Masjid UMP Gambang) (05/2019)

##### **2018**

JK Kem Saintis Muda (Mathematics)-PIC Brain Bistro, UMP Gambang (02-07/09/2018)

JK Aktiviti STEM (Mathematics): Lawatan Sambil Belajar SMK Bera ke UMP, Gambang, (28/03/2018).

Gotong Royong Berbuka Puasa UMP, Masjid UMP Gambang (21/05/2018)

Program Kurma 2018, (23/05/2018)

Invigilator of Olimpiad Matematik Kebangsaan 2018 Zon Pantai Timur (OMK 2018), UMP Gambang, (28/07/2018).

##### **2017**

Examiner of SUDOKU Battle, MSC UMP Gambang (22/03/2017)

Facilitator of Lawatan Sambil Belajar SBP Temerloh ke UMP, Gambang, (08/02/2017).

JK Sambutan for Program Pemantapan Matematik dan Matematik Tambahan (SMK Sri Pekan), (12/04/2017) JK Aktiviti STEM Mathematics: 15/08/2017

##### **2016**

JK Program Menjelang Syawal Bersama OKU PDK Titian Murni, Pekan, (23/06/2016).

Promotion Committee Member (Banner) of Olimpiad Matematik Kebangsaan 2016 Zon Pantai Timur (OMK 2016), UMP Gambang, (23/07/2016).

Examiner of Committee Member of 'Pertandingan Intellektual Sudoku Battle 2016', MSC UMP Gambang.

**2015**

Invigilator of Olimpiad Matematik Kebangsaan 2015 Zon Pantai Timur (OMK 2015), UMP Gambang, (11/07/2015).

**2014**

Facilitator of Oh My Maths! Organised by FIST & UAE, (21/10/2014).

Sponsorship Committee of International Conference ISM-II 2014, MS Garden, (12-14/08/2014).

Promotion Committee Member (Banner) & Invigilator of Olimpiad Matematik Kebangsaan 2014 Zon Pantai Timur (OMK 2014), UMP Gambang, (12/07/2014).

**2013**

Invigilator of Olimpiad Matematik Kebangsaan 2013 Zon Pantai Timur (OMK 2013), UMP Gambang, (13/07/2014).

Iftar Ramadhan bersama Anak Yatim 2013.

**2012**

Coordinator of STEM Program (FIST), 2012.

Director of Karnival ez-SciMaT 2012, UMP Gambang, (02-04/11/2012).

Gotong-Royong Berbuka Puasa, Masjid UMP, UMP Gambang (03/08/2012).

Committee Member of Bengkel Matemadesa 2012 Zon Tengah.

Invited Speaker (Quadratic Function): Matemadesa 2012 Zon Tengah, UMP Gambang, (14-15/07/2012).

Promotion Committee & Invigilator of Olimpiad Matematik Kebangsaan 2012 Zon Pantai Timur(OMK 2012), UMP Gambang, (07/07/2012).

Inter-PTJ Netball Competition (16/06/2012)-3rd Place, Gelanggang Bola Keranjang UMP, UMP Gambang.

Gotong-Royong Fakulti (19/01/2012), FSTI, UMP Gambang.

**OTHER RELEVANT INFORMATION****Visiting Scholar**

Department of Mathematics, Fisher College of Science and Mathematics, Towson University, Maryland, USA. September 24, 2010- March 23, 2011

**Honors and Awards**

Gold Medal in CITReX 2023: Hybrid FAHP-FIS Model: Ranking the Best Mathematics STEM Approach, 12-14 March 2023.

ICoAIMS 2022: Best Paper Awards

Silver Medal in CITReX 2022: Modelling the Best STEM Approach of Blended Learning via Fuzzy AHP, 11 March 2022.

Sijil Perkhidmatan Cemerlang, UMP: 2022.

Sijil Perkhidmatan Cemerlang, UMP: 2021.

Sijil Perkhidmatan Cemerlang, UMP: 2020.

Sijil Exceed Target FSTI, UMP: 2019.

Certificate of Excellence (Excellent)- ePAT, Semester I, 2022/23

Certificate of Excellence (Excellent)- ePAT, Semester I, and II, 2021/22

Certificate of Excellence (Excellent)- ePAT, Semester I and II, 2020/21

Certificate of Excellence (Excellent)- ePAT, Semester II, 2018/19

Silver Medal in CITReX 2019: Obstacle Routing Problem in a Rectangular Mesh Network, 12-13 February 2019.

Certificate of Excellence (Excellent)- ePAT, Semester I, 2018/19

Silver Medal in CITReX 2018: Medicinal Cupping Predictors, 07-08 February 2018.

Silver Medal in CITReX 2018: Biomolecular Aspects of Second Order Limit Language, 07-08 February 2018.

Certificate of Exceed Target(ET) Melebihi Sasaran ,FIST, 2017

Certificate of Excellence (Excellent)- ePAT, Semester I, 2017/18

Certificate of Excellence (Excellent)- ePAT, Semester I, 2016/17

Certificate of Excellence (Excellent)- ePAT, Semester II, 2015/16

Bronze Medal in CITReX 2015: Prediction Model of DNA Splicing Languages, 09-10 March 2015.

Bronze Medal in CITReX 2015: Behaviour of DNA Splicing Language Predictor, 09-10 March 2015.

Gold Medal in CITReX 2014: Splicing Language Predictor, 05-06 March 2014.

Bronze Medal in CITReX 2014: Splicing System Predictor, 05-06 March 2014.

Silver Medal in CITReX 2013: Stochastic Modelling of Solvent Production by *C. Acetobutylicum* P262 in Fermentation Process, 27-28 May 2013.

Certificate of Excellence (Excellent)- ePAT, Semester I, 2012/13

Honorarium from Maryland State, USA as a Visiting Scholar at Towson University, Maryland, USA, 24 September 2010- 23 March 2011.

SLAI/ UMP Scholarship for PhD program, 16 December 2008 – 15 December 2011.

Certificate of Excellence (Excellent)- ePAT, Semester II, 2007/08

Anugerah Perkhidmatan Cemerlang (APC), UMP: 2007.

**Consultation**

Instructor for We Care We Love (BUM1133), 2022- current

Instructor for We Care We Love (BUM1433), 2016- 2022

Instructor for We Care We Love (BUM2223), 2014-2016

Instructor for Mathematics Support Centre-consultation (2hours/ week), 2014-current Jawatankuasa Math bootcamp 1.0, 9 November 2018

Jawatankuasa Kem Sainstis Muda 2018, 2-7/09/2018

Speaker of Oh My Maths! Organised by FIST & UAE, 21/10/2014