

## CURRICULUM VITAE



### A. PERSONAL PARTICULARS

1. Name : **PROF. MADYA DR. HASHIBAH BINTI HAMID**
2. Current Position : **PROF. MADYA (DS 54)**
3. Date of Appointment : **11 November 2019**  
(Current Position)
4. Areas of Specialization: **Classification and Discrimination Modeling**
5. Academic and Professional Qualifications  
*(Please list all academic qualifications, from your first degree, in chronological order)*
  1. **2000, Bachelor of Science (Statistics), Universiti Teknologi Mara, Malaysia.**
  2. **2002, Master of Science (Decision Science), Universiti Utara Malaysia, Malaysia.**
  3. **2014, Ph.D. in Statistics, Universiti Utara Malaysia, Malaysia.**
6. Titles of Postgraduate theses  
**Integrated Smoothed Location Model and Data Reduction Approaches for Multi Variables Classification.**

7. Work Experience

*(Please list your relevant experiences in chronological order)*

1. **November 2019 - Present, Senior Lecturer (DS54), School of Quantitative Sciences, Universiti Utara Malaysia.**
2. **March 2014 - October 2019, Senior Lecturer (DS52), School of Quantitative Sciences, Universiti Utara Malaysia.**
3. **December 2002 - December 2013, Lecturer (DS45), School of Quantitative Sciences, Universiti Utara Malaysia.**
4. **June 2000 - October 2002, Tutor, Fakulti Sains Kuantitatif, Universiti Utara Malaysia.**
5. **December 1997 - March 1998, Research Assistant, Fakulti Perubatan, Universiti Kebangsaan Malaysia (UKM).**

8. Main Current Research Areas

1. **Classification / Discrimination Modeling and Development**
2. **Data Reduction Approaches**
3. **Robust Techniques**

B. TEACHING AND SUPERVISION				MARKS	
1.	<b>Teaching</b>				
	i. Postgraduate Teaching				
	No	Semester	Code	Course	
	1	2019/2020 (A192)	SQQS5053	Applied Multivariate Data Analysis	
	2	2018/2019 (A182)	SQSZ6996	Project Paper	
	3	2018/2019 (A181)	SQSZ6996	Project Paper	
	ii. Undergraduate Teaching				
	No	Semester	Code	Course	Group
	1	2021/2022 (A211)	SQQS1033	Data Exploratory and Generalisation	A
	2	2021/2022 (A211)	SQQS1033	Data Exploratory and Generalisation	B
	3	2021/2022 (A211)	SQQS3134	Industrial Statistics Project II	C
	4	2020/2021 (A202)	SQQS1043	Probability and Statistics	A
	5	2020/2021 (A202)	SQQS1043	Probability and Statistics	E
	6	2020/2021 (A202)	SQQS3122	Industrial Statistics Project I	C
	7	2020/2021(A201)	SQQS2063	Inferential Statistics	A
	8	2020/2021 (A201)	SQQS3113	Multivariate Analysis	A
	9	2020/2021 (A201)	SQQS3113	Multivariate Analysis	B
	10	2020/2021 (A201)	SQQS3134	Industrial Statistics Project II	B
	11	2019/2020 (A192)	SQQS3113	Multivariate Analysis	A
	12	2019/2020 (A192)	SQQS3122	Industrial Statistics Project I	B
	13	2019/2020 (A191)	SQQS1033	Data Exploratory and Generalisation	B
	14	2019/2020 (A191)	SQQS1033	Data Exploratory and Generalisation	F
	15	2018/2019 (A182)	SQQS1043	Probability and Statistics	E
	16	2018/2019 (A182)	SQQS1043	Probability and Statistics	F
	17	2018/2019 (A182)	SQQS3122	Industrial Statistics Project I	F

18	2018/2019 (A181)	SQQS1013	Elementary Statistics	G
19	2018/2019 (A181)	SQQS1033	Data Exploratory and Generalisation	B
20	2018/2019 (A181)	SQQS1033	Data Exploratory and Generalisation	F
21	2018/2019 (A181)	SQQS3134	Industrial Statistics Project II	D
22	2017/2018 (A172)	SQQS1043	Probability and Statistics	B
23	2017/2018 (A172)	SQQS1043	Probability and Statistics	D
24	2017/2018 (A171)	SQQS1033	Penjelajahan & Pengitlakan Data	A
25	2017/2018 (A171)	SQQS3134	Industrial Statistics Project II	B
26	2016/2017 (A163)	SQQS1013	Elementary Statistics	B
27	2016/2017 (A163)	SQQS1013	Elementary Statistics	A
28	2016/2017 (A162)	SQQS3122	Industrial Statistic Project I	B
29	2016/2017 (A162)	SQQS1043	Probability and Statistics	B
30	2016/2017 (A162)	SQQS1043	Probability and Statistics	A
31	2016/2017 (A161)	SQQS3134	Industrial Statistics Project II	A
32	2016/2017 (A161)	SQQS1013	Elementary Statistics	J
33	2016/2017 (A161)	SQQS1013	Elementary Statistics	C
34	2015/2016 (A152)	SQQS3122	Industrial Statistic Project I	A
35	2015/2016 (A152)	SQQS1013	Elementary Statistics	V
36	2015/2016 (A152)	SQQS1013	Elementary Statistics	H
37	2015/2016 (A151)	SQQS3134	Industrial Statistics Project II	C
38	2015/2016 (A151)	SQQS1033	Data Exploratory & Generalizations	B
39	2015/2016 (A151)	SQQS1033	Data Exploratory & Generalizations	A
40	2014/2015 (A142)	SQQS3122	Industrial Statistic Project I	C
41	2014/2015 (A142)	SQQS2073	Regression Model	B
42	2014/2015 (A142)	SQQS1013	Elementary Statistics	R

43	2014/2015 (A141)	SQQS2073	Regression Model	A
44	2013/2014 (A132)	SQQS2073	Regression Model	A
45	2013/2014 (A132)	SQQS2073	Regression Model	D
46	2013/2014 (A132)	EEP2032	Living in the Muti-Cultural Society	NL
47	2013/2014 (A131)	SQQS1013	Elementary Statistics	F
48	2013/2014 (A131)	SQQS1013	Elementary Statistics	J
49	2013/2014 (A131)	EEP1032	Personal Development & Character Building	NL
50	2008/2009 (A081)	SDG2021	Entrepreneurship	PG
51	2008/2009 (A081)	SDG2011	Personal Financial Planning	QB
52	2008/2009 (A081)	QQS3053	Experimental Design in Business	B
53	2008/2009 (A081)	QQS2013	Applied Statistics	F
54	2008/2009 (A081)	QQS1023	Statistical Distribution Theory	C
55	2008/2009 (A081)	QQS1023	Statistical Distribution Theory	A
56	2007/2008 (A073)	QQS1013	Elementary Statistics	D
57	2007/2008 (A072)	QQS3063	Statistical Quality Improvement	B
58	2007/2008 (A072)	QQS3063	Statistical Quality Improvement	A
59	2007/2008 (A072)	QQS3053	Experimental Design in Business	A
60	2007/2008 (A071)	QQS3053	Experimental Design in Business	A
61	2007/2008 (A071)	QQS1013	Elementary Statistics	M
62	2007/2008 (A071)	QQS1013	Elementary Statistics	C
63	2006/2007 (A061)	QQS3053	Experimental Design in Business	A
64	2006/2007 (A061)	QQS1013	Elementary Statistics	G
65	2005/2006 (A052)	QQS3053	Experimental Design in Business	A

66	2005/2006 (A052)	QQ2013	Applied Statistics	E
67	2005/2006 (A051)	QQ2013	Applied Statistics	C
68	2005/2006 (A051)	QQ2013	Applied Statistics	B
69	2004/2005 (A042)	TQ1203	Statistics for Technology	E
70	2004/2005 (A042)	QS2013	Applied Statistics	A
71	2004/2005 (A041)	QS2013	Applied Statistics	N
72	2003/2004 (A032)	QS1013	Elementary Statistics	XB
73	2003/2004 (A032)	QS1013	Elementary Statistics	XA
74	2003/2004 (A031)	QS1013	Elementary Statistics	P
75	2003/2004 (A031)	QS1013	Elementary Statistics	I
76	2002/2003 (A022)	QS2013	Applied Statistics	G

2.	<p><b>Graduate Supervision</b></p> <p><b>2.1 Supervision (Full Research)</b></p> <p><b>1. Ph.D.</b></p> <p>a) Main Supervisor <i>(Please list student's name, year of graduation and title of dissertation)</i></p> <p><u>In Progress:</u></p> <ol style="list-style-type: none"> <li>1. Kartini binti Kasim (905521). Robust Location Model for Mixed Variables Classification Problem. PhD in Statistics. UUM.</li> <li>2. Penny Ngu Ai Huong (904393). Location Model in Handling Mixed Variables Classification in accordance with Empty and Non-empty Cells. PhD in Statistics. UUM.</li> </ol> <p>b) Co-Supervisor/Committee <i>(Please list student's name, year of graduation and title of dissertation)</i></p> <ol style="list-style-type: none"> <li>1. Mohd Isfahani bin Ismail (900981). Robust Detection of Outliers in Bilinear (P, 0, 1, 1) Model. PhD in Statistics. UUM.</li> </ol> <p><b>2. Master Degree</b></p> <p>a) Main Supervisor <i>(Please list student's name, year of graduation and title of dissertation)</i></p> <p><u>Completed:</u></p> <ol style="list-style-type: none"> <li>1. <b>Long Mei Mei (817093). Binary Variable Extraction using Nonlinear Principal Component Analysis in Classical Location Model. Master of Science (Statistics). UUM 2016.</b></li> </ol>	
----	---	--

2. Penny Ngu Ai Huong (817094). Principal Component and Multiple Correspondence Analysis for Handling Mixed Variables in the Smoothed Location Model. Master of Science (Statistics). UUM 2016.

3. Nurul Ilyani binti Abdullah Hasnan (87116). Internet Designing and Printing Services. Master of Science in Techno-Entrepreneurship. UiTM/UUM 2008.

b) Co-Supervisor/Committee

-NIL-

## 2.2 Supervision (Mixed Mode)

### i. Ph.D

a) Main Supervisor

*(Please list student's name, year of graduation and title of dissertation)*

-NIL-

b) Co-Supervisor/Committee

*(Please list student's name, year of graduation and title of dissertation)*

-NIL-

### ii. Doctoral Dissertation

a) Main Supervisor

*(Please list student's name, year of graduation and title of dissertation)*

-NIL-

b) Co-Supervisor/Committee

*(Please list student's name, year of graduation and title of dissertation)*

-NIL-



	<p><b>iii. Master's Dissertation</b></p> <p>a) Main Supervisor <i>(Please list student's name, year of graduation and title of dissertation)</i> <b>-NIL-</b></p> <p>b) Co-Supervisor/Committee <i>(Please list student's name, year of graduation and title of dissertation)</i> <b>-NIL-</b></p>	
--	--	--

3.	<p><b>Undergraduate Supervision</b></p> <p><b>i. Project Paper/Dissertation</b></p> <ol style="list-style-type: none"> <li>1. Supervisor of Statistical Industrial Project II (SQQS3134) Session A211 (2021).        Yong Li Yi (263223)        The Impact of Time Management on Academic Achievement among School of Quantitative Science (SQS) Students in Universiti Utara Malaysia during Covid-19.         Tarsini a/p Batumalai (264212)        Analysis of Face Mask Sold on Shopee Malaysia.</li> <li>2. Supervisor of Statistical Industrial Project I (SQQS3122) Session A192 (2020).</li> <li>3. Supervisor of Statistical Industrial Project I (SQQS3122) Session A202 (2021).</li> <li>4. Supervisor of Statistical Industrial Project I (SQQS3122) Session A192 (2020).</li> <li>5. Ong Boon Lye (232878). Investigation on factors affecting GPA of UUM student-athlete using Multiple Linear Regression Technique. Statistical Industrial Project II (SQQS3134) Session A171.</li> <li>6. Ooi Cheng Theng (235031). Comparison of Classification Technique for the Predictive of the Payment Status of the Credit Card Holders. Statistical Industrial Project II (SQQS3134) Session A171.</li> <li>7. Ong Boon Lye (232878). Supervisor of Statistical Industrial Project I (SQQS3122) Session A162.</li> <li>8. Ooi Cheng Theng (235031). Supervisor of Statistical Industrial Project I (SQQS3122) Session A162.</li> <li>9. Atiah Khoirunissa (224973). Investigation on Computer Related Skill: A Case Study among Final Year Undergraduate SQS Students in UUM. Statistical Industrial Project II (SQQS3134)</li> </ol>	
----	---	--

Session A161.

10. Nur Syazana Mohd Nizam (225377). Factors Affecting Students Academic Performance: A Case Study on SQS Students in Universiti Utara Malaysia. Statistical Industrial Project II (SQQS3134) Session A161.
11. Atiah Khoirunissa (224973). Supervisor of Statistical Industrial Project I (SQQS3122) Session A152.
12. Nur Syazana Mohd Nizam (225377). Supervisor of Statistical Industrial Project I (SQQS3122) Session A152.
13. Chan See Wai (219999). Comparison of Linear Discriminant Analysis and Logistic Regression for Classification. Statistical Industrial Project II (SQQS3134) Session A151.
14. Tan Pei Yong (220681). Integration of Principal Component Analysis and Linear Discriminant Analysis for Very Large Number of Variables. Statistical Industrial Project II (SQQS3134) Session A151.
15. Chan See Wai (219999). Supervisor of Statistical Industrial Project I (SQQS3122) Session A142.
16. Tan Pei Yong (220681). Supervisor of Statistical Industrial Project I (SQQS3122) Session A142.
17. Tan Soon Kiat (237718). Supervisor of Statistical Industrial Project I (SQQS3122) Session A172.
18. Tey Shian Yao (237787). Supervisor of Statistical Industrial Project I (SQQS3122) Session A172.
19. Tan Soon Kiat (237718). A Research on Retention of Undergraduate SQS Student to Further Master Study in UUM. Statistical Industrial Project II (SQQS3134) Session A181.
20. Tey Shian Yao (237787). The Purchase Intention of SQS Students towards Fashion Apparel. Statistical Industrial Project II (SQQS3134) Session A181.

21. Nurul Ain Anissah Mohd Nadzar (246774). Supervisor of Statistical Industrial Project I (SQQS3122) Session A182.

22. Nur Zhafiqah Azhar (246985). Supervisor of Statistical Industrial Project I (SQQS3122) Session A182.

**ii. Industrial Training/Practicum**

1. Ahmad Fawwaz bin Mohd Fauzi (250955). Constructing Univariate Time Series Model in Forecasting Total Sales of Gold. Angsa Emas Jewellery Sdn Bhd, Bandar Baru Bangi, Selangor (2021).

2. Lim Hoy Yan (244757). The Relationship between Five Factors towards the Allocation of Material to Select Suppliers by Global Commodity Manager in Each Quarter. Jabil Sdn Bhd (Global Business Center, Bayan Lepas, Pulau Penang) (2020).

3. Tan Jia Xin (245504). Validate Changes of Group Chain Sampling Plan for Generalized Exponential Distribution. Jabil Circuit Sdn Bhd, Bayan Lepas, Pulau Penang (2020).

4. Lim Guat Fern (245522). Regression Model of Reinsurance Claim Amount. Reinsurance Group of America (RGA), Bangsar, Kuala Lumpur (2020).

5. Syahira binti Sulaiman (238444). Analyzing of GSGSG PhD Students towards Their Graduate on Time (GOT). Ghazali Shafie Graduate School of Government (2019).

6. Ummairah binti Mohammad Reza (238454). Revenue Forecasting for Fujitsu (Malaysia) Sdn Bhd. FUJITSU (M) Sdn Bhd (2019).

7. Nurul Faziera binti Khairul Adlee (233771). Electrical Energy Consumption in Hospital Tuanku Ja'afar Seremban. MEDIVEST Sdn Bhd (2018).

8. Maisarah binti Mustaffa (233843). Forecasting Paper Purchased in Financial Unit of Jabatan Pendidikan Negeri Johor (JPNJ). Jabatan Pendidikan Negeri Johor (2018).

9. Nooranis binti Ali (225687). Customers Satisfaction towards Home Wi-Fi in Kulim Kedah. Idaman Broadband Solution (2017).

	<p>10. Nurul Izzati binti Mohd Salleh (226032). Sales Forecasting for Nexus E-Commercial Sdn Bhd (2017).</p> <p>11. Nurasmaliza binti Bokhari (221305). Predicting Total Revenue of Service provided by Yamato Group to IKEA Cheras by using Time Series Forecasting. Yamato Transport (M) Sdn Bhd (2016).</p> <p>12. Siti Atiqah binti Mohd Said (221375). Evaluating the Socio-Economic Factors Affecting Divorce in Shah Alam, Selangor. Jabatan Agama Islam Selangor (2016).</p> <p>13. Tan Yen Yen (212049). A Study of Factors Affecting the Demand for Health Insurance Policy in Website of the SMS Company. Senior Marketing System Sdn Bhd (2014).</p> <p>14. Lim Kok Siang (212072). Gold Price Forecast. Agile Avent Sdn Bhd (2014).</p> <p>15. Gan Chee Yang (204253). The Levels of Satisfaction of East Coast Customers on After Sales Service of Welltech Company. Welltech Industrial Supply Sdn Bhd (2013).</p> <p>16. Penny Ngu Ai Huong (204377). Factors Influencing Performance and Profitability of Company XYZ. Fastrack Corporate Sdn Bhd (2013).</p>	
--	--	--

C.	RESEARCH	MARKS
1.	<p><b>International Grant</b></p> <p>i. Programme Head <i>(Please list project title, sponsorship, amount, list of researchers duration and date of completion)</i> <b>-NIL-</b></p> <p>ii. Project Head <i>(Please list project title, sponsorship, amount, list of researchers duration and date of completion)</i> <b>-NIL-</b></p> <p>iii. Co-Researcher <i>(Please list project title, sponsorship, amount, list of researchers, duration and date of completion)</i> <b>-NIL-</b></p>	
2.	<p><b>National Grant</b></p> <p>i. Programme Head <i>(Please list project title, sponsorship, amount, list of researchers duration and date of completion)</i> <b>-NIL-</b></p> <p>ii. Project Head <i>(Please list project title, sponsorship, amount, list of researchers duration and date of completion)</i></p> <p><b><u>Completed:</u></b></p> <p><b>1. A New Location Model based on Integration of Multivariate Robust Estimators and Smoothing Approach. <u>Hashibah Hamid</u>, Sharipah Soaad Syed Yahaya and Shamshuritawati Sharif. Fundamental Research Grant Scheme (FRGS) – RM77800. Duration: 2015 – 2017. S/O Code: 13150.</b></p>	

	<p><u>In Progress:</u></p> <ol style="list-style-type: none"> <li>1. Amalgamation between Maximum Likelihood and Smoothing Estimation Techniques to Develop A Flexible Location Model. <b>Hashibah Hamid</b>, Sharipah Soaad Syed Yahaya, Abdul Malek Yaakob and Norazah Mohd Suki. Fundamental Research Grant Scheme (FRGS) – RM84200. Duration: 2019 – 2022. S/O Code: 14374.</li> </ol> <p>iii. Co-Researcher</p> <p><u>Completed:</u></p> <ol style="list-style-type: none"> <li>1. <b>Novel Robust Memory-Type and Synthetic Variable Control Charts.</b> Sharipah Soaad Syed Yahaya, Nor Aishah Ahad, <b>Hashibah Hamid</b> and Abdu Mohammed Ali Atta. Fundamental Research Grant Scheme (FRGS) – RM65300. Duration: 2016 – 2018. S/O Code: 13578.</li> </ol> <p><u>In Progress:</u></p> <ol style="list-style-type: none"> <li>1. Developing A Theoretical Model of The Organization's Green Management and Sustainable Performance in Malaysia. Norazah Mohd Suki, Norbayah Mohd Suki and <b>Hashibah Hamid</b>. Fundamental Research Grant Scheme (FRGS) – RM 99200. Duration: 2019 – 2021. S/O Code: 14528.</li> </ol>	
3.	<p><b>University Grant</b></p> <ol style="list-style-type: none"> <li>i. Project Manager / Head <i>(Please list project title, sponsorship, amount, list of researchers duration and date of completion)</i></li> </ol> <p><u>Completed:</u></p> <ol style="list-style-type: none"> <li>1. <b>Handling Many Empty Cells in Location Model via Nonlinear PCA for Mixed Variables Classification.</b> <b>Hashibah Hamid</b> and Nazrina Aziz. Insentif Pascasiswazah – RM5000. Duration: 2015 – 2017. S/O Code: 15816.</li> </ol>	

	<p>2. Investigation on the Use of Multiple Correspondence Analysis for Handling Binary Variables in the Smoothed Location Model. <u>Hashibah Hamid</u> and Nazrina Aziz. Insentif Pascasiswazah – RM5000. Duration: 2015 – 2016. S/O Code: 15815.</p> <p>3. Pemilihan Hotel di kalangan Staf Akademik UUM menggunakan Proses Hierarki Analisis. <u>Hashibah Hamid</u>, Sharmila Karim and Norhaslinda Zainal Abidin. Faculty Grant – RM2980. Duration: 2004 – 2005. S/O Code: 11265.</p> <p>ii. Co-Researcher</p> <p><b><u>Completed:</u></b></p> <p>1. Robustifying Box’s M Statistic for Monitoring the Stability of Malaysian Stocks Market during Global Financial Crisis. Shamshuritawati Sharif and <u>Hashibah Hamid</u>. Geran Penajaan – RM20000. Duration: 2016 – 2017. S/O Code: 13409.</p> <p>2. New Statistic for Testing the Stability of Correlation Structures. Shamshuritawati Sharif and <u>Hashibah Hamid</u>. University Grant – RM 10000. Duration: 2014 – 2016. S/O Code: 13111.</p> <p>3. Markov Chain in Modeling Universiti Utara Malaysia Undergraduate Student. Adyda Ibrahim and <u>Hashibah Hamid</u>. Faculty Grant – RM1070. Duration: 2006. S/O Code: 11591.</p> <p>4. Pemodelan Hubungan antara Penyakit Bawaan Air dan Makanan dengan Kualiti Air Minuman di Negeri Kedah. Rohaiza Zakaria, <u>Hashibah Hamid</u>, Kamal Khalid and Mazrura Sahani. University Grant – RM15000. Duration: 2005 – 2006. S/O Code: 11494.</p>	
4.	<p><b>Without Grant (Registered with UUM)</b>  <i>(Please list project title, sponsorship, amount, list of researchers, duration and date of completion)</i>  <b>-NIL-</b></p>	



D.	PUBLICATIONS	MARKS
1.	<p><b>Books</b></p> <p>1.1 Text Book/General Reference</p> <p>i. Original Refereed Work (Well-known Publishers) <i>(Please list authors, year, title, publisher and number of pages)</i> <b>-NIL-</b></p> <p>ii. Original Refereed Work (Other Publishers) <i>(Please list authors, year, title, publisher and number of pages)</i> <b>-NIL-</b></p> <p>iii. Non-Tertiary Work <i>(Please list authors, year, title, publisher and number of pages)</i> <b>-NIL-</b></p> <p>1.2 Chapter in Book</p> <p>i. Original Refereed Work (Well-known Publishers) <i>(Please list authors, year, title, publisher and number of pages)</i></p> <p>1. <b>Hamid, H., &amp; Mahat, N. I.</b> (2016). Investigations on the LDA in Handling Different Sizes of Variables. In S. Sharif, H. Ali &amp; S. S. Syed Yahaya (Ed.), <i>Multivariate Statistics for Researchers</i> (pp. 84-97). Universiti Utara Malaysia: UUM Press.</p> <p>2. Masnan, M. J., Zakaria, A., Shakaff, A. Y., Mahat, N. I., <b>Hamid, H.</b>, Subari, N., &amp; Junita, M. S. (2012). Principal Component Analysis – A Realization of Classification Success in Multi Sensor Data Fusion. In P. Sanguansat (Ed.), <i>Principal Component Analysis - Engineering Applications</i> (pp. 1-24). Croatia, Rijeka: InTech Open Access Publisher.</p> <p>ii. Original Refereed Work (Other Publishers) <i>(Please list authors, year, title, publisher and number of pages)</i> <b>-NIL-</b></p> <p>iii. Non-Tertiary Work <i>(Please list authors, year, title, publisher and number of pages)</i> <b>-NIL-</b></p>	

	<p>1.3 Text Book (Translation) <i>(Please list authors, year, title, publisher and number of pages)</i> <b>-NIL-</b></p> <p>1.4 Chapter in Book (Translation) <i>(Please list authors, year, title, publisher and number of pages)</i> <b>-NIL-</b></p> <p>1.5 Text Book (Sprint Print) <i>(Please list authors, year, title, publisher and number of pages)</i> <b>-NIL-</b></p> <p>1.6 Text Book (Editing/Adaptation) <i>(Please list authors, year, title, publisher and number of pages)</i> <b>-NIL-</b></p> <p>1.7 Book Review <i>(Please list authors, year, title, publisher and number of pages)</i> <b>-NIL-</b></p>	
2.	<p><b>Monograph/Technical Report</b> <i>(Please list authors, year, title, publisher and number of pages)</i> <b>-NIL-</b></p>	
3.	<p><b>Teaching Module</b> <i>(Please list authors, year, title, publisher and number of pages)</i></p> <p>i. University Course</p> <p>1. <b>Penulis, Modul Program Asasi Pengurusan bagi Kursus AQ0023 Fundamental of Mathematics 2. UUM Press, 2017. (Appointment letter)</b></p> <p>2. <b>Penulis, Modul Sedia Ada Pendidikan Jarak Jauh (PJJ) bagi Kursus SQQS1013 Pengantar Statistik. Pusat Pendidikan Profesional &amp; Lanjutan (PACE) UUM, 2018. (Appointment letter)</b></p> <p>ii. Short Course <b>-NIL-</b></p>	

4.	<p><b>Article in Journal</b> (Please list authors, year, title, publisher and number of pages)</p> <p>i. Refereed Journal/E-Journal</p> <p>a) International (SCOPUS/ISI/Equivalent)</p> <ol style="list-style-type: none"> <li>1. <b>Hamid, H.</b>, Mahat, N. I., &amp; Ibrahim, S. (2021). Adaptive Variable Extractions with LDA for Classification of Mixed Variables, and Applications to Medical Data. <i>Journal of Information and Communication Technology</i>, 3(20), 305-327. (WoS/Scopus/Mycite)</li> <li>2. Senin, M. S., <b>Hamid, H.</b>, Mat Jusoh, J., Mohd Noor, N. A., Dominic, A, &amp; Nordin, M. N. (2021). Improving Health Monitoring Systems through Deep Flow Inspection. <i>Design Engineering</i>, (7), 3519-3523. (Scopus)</li> <li>3. Alkasadi, N. A., Ibrahim, S., Abuzaid, A. H. M., Yusoff, M. I., <b>Hamid, H.</b>, Leow, W. Z., &amp; Abd Razak, A. (2019). Outlier Detection in Multiple Circular Regression Model using <i>DFFITc</i> Statistic. <i>Sains Malaysiana</i>, 48(7), 1557-1563. (ISI/Scopus)</li> <li>4. <b>Hamid, H.</b> (2019). Alternative Methodology of Location Model for Handling Outliers and Empty Cells Problems: Winsorized Smoothed Location Model. <i>Journal of Mechanics of Continua and Mathematical Sciences, Special Issue</i> (4), 90-108. (ISI)</li> <li>5. <b>Hamid, H.</b> (2018). Winsorized and Smoothed Estimation of the Location Model in Mixed Variables Discrimination. <i>Applied Mathematics &amp; Information Sciences: An International Journal</i>, 12(1), 133-138. (ISI/Scopus)</li> <li>6. <b>Hamid, H.</b> (2018). New Location Model based on Automatic Trimming and Smoothing Approaches. <i>Journal of Computational and Theoretical Nanoscience</i>, 15(2), 493-499. (Scopus)</li> <li>7. <b>Hamid, H.</b>, Huong, P. N. A., &amp; Alipiah, F. M. (2018). New Smoothed Location Models Integrated with PCA and Two Types of MCA for Handling Large Number of Mixed Continuous and Binary Variables. <i>Pertanika Journal of Science &amp; Technology</i>, 26(1), 247-260. (Scopus)</li> <li>8. <b>Hamid, H.</b>, Mei, L. M., &amp; Yahaya, S. S. S. (2017). New Discrimination Procedure of Location Model for Handling Large Categorical Variables. <i>Sains Malaysiana</i>, 46(6), 1001-1010. (ISI/Scopus)</li> </ol>	
----	--	--

9. **Hamid, H.**, Aziz, N., & Huong, P. N. A. (2016). Variable Extractions using Principal Component Analysis and Multiple Correspondence Analysis for Large Number of Mixed Variables Classification Problems. *Global Journal of Pure and Applied Mathematics*, 12(6), 5027-5038. (Scopus)
10. **Hamid, H.**, Zainon, F., & Yong, T. P. (2016). Performance Analysis: An Integration of Principal Component Analysis and Linear Discriminant Analysis for A Very Large Number of Measured Variables. *Research Journal of Applied Sciences*, 11(11), 1422-1426. (Scopus)
11. **Hamid, H.**, & Mahat, N. I. (2013). Using Principal Component Analysis to Extract Mixed Variables for Smoothed Location Model. *Far East Journal of Mathematical Sciences*, 80(1), 33-54. (Scopus)
12. **Hamid, H.** (2010). A New Approach for Classifying Large Number of Mixed Variables. *International Journal: World Academy of Science, Engineering and Technology*, 4(10), 1355-1360. (Scopus)

b) International

1. Mohd Noor, N. A., **Hamid, H.**, Mohd Razali, M. F., & Nordin, M. N. (2021). Disease Prognosis via Machine Learning and Prediction. *International Journal of Aquatic Science*, 12(1), 93-102.
2. Rahmat, R., **Hamid, H.**, Razale, M. H., & Nordin, M. N. (2021). Machine Learning in Smart Technology Warehouses. *International Journal of Aquatic Science*, 12(1), 103-113.
3. Faisal, N. A., **Hamid, H.**, & Nordin, M. N. (2021). Machine Learning-Based Simulation in Remote Sensing Contexts. *International Journal of Aquatic Science*, 12(1), 147-153.
4. Abdul Rahman, A., Syed Yahaya, S. S., Ali Atta, A. M., Ahad, N. A., & **Hamid, H.** (2020). The Impact of Data Anomaly on EWMA Phase II Performance. *Journal of Engineering and Applied Sciences*, 15(15), 3010-3015.

c) National

1. **Hamid, H.**, & Mahat, N. I. (2012). Strategies of Handling Different Variables Reduction for LDA. *Jurnal Sains dan Matematik*, 4(2), 37-48.

	<ul style="list-style-type: none"> <li>ii. Non-Refereed Journal/E-Journal <ul style="list-style-type: none"> <li>a) International -NIL-</li> <li>b) National -NIL-</li> </ul> </li> <li>iii. Proceeding <ul style="list-style-type: none"> <li>1. International (SCOPUS/ISI/Equivalent) <ul style="list-style-type: none"> <li>1. <b>Hamid, H.</b> (2017, November). A Framework of Mixed Variables Classification in the Presence of Outliers: A Robust Location Model. <i>Proceedings of the 13th IMT-GT International Conference on Mathematics, Statistics and their Applications (ICMSA 2017)</i>. In <i>AIP Conference Proceedings</i> (Vol. 1905, No. 1, p. 050019). AIP Publishing. 4 – 7 December 2017, University Utara Malaysia, Malaysia. (Scopus)</li> <li>2. <b>Hamid, H.</b> (2017, May). New Algorithm of Location Model based on Robust Estimators and Smoothing Approach. <i>Proceedings of the 2017 IEEE International Conference on Applied System Innovation (ICASI 2017)</i>. In <i>Meen, Prior &amp; Lam (Eds)</i> (pp. 1091-1093). IEEE. 13 – 17 May 2017, Sapporo, Hokkaido, Japan. (Scopus)</li> <li>3. Huong, P. N. A., <b>Hamid, H.</b>, &amp; Aziz, N. (2016, October). The Performance of Smoothed Location Model with PCA+Indicator MCA and PCA+Adjusted MCA. <i>Proceedings of the 4th International Conference on Quantitative Sciences and Its Applications (ICOQSIA 2016)</i>. In <i>AIP Conference Proceedings</i> (Vol. 1782, No. 1, p. 050008). AIP Publishing. 16 – 18 August 2016, Selangor, Malaysia. (Scopus)</li> <li>4. Huong, P. N. A., <b>Hamid, H.</b>, &amp; Aziz, N. (2015, December). Multiple Correspondence Analysis for Handling Large Binary Variables in Smoothed Location Model. <i>Proceedings of the 2nd Innovation and Analytics Conference and Exhibition (IACE 2015)</i>. In <i>AIP Conference Proceedings</i> (Vol. 1691, No. 1, p. 050018). AIP Publishing. 29 Sept – 1 Oct 2015, Kedah, Malaysia. (Scopus)</li> <li>5. Mei, L. M., <b>Hamid, H.</b>, &amp; Aziz, N. (2015, December). Variables Extraction on Large Binary Variables in Discriminant Analysis based on Mixed Variables Location Model. <i>Proceedings of the 2nd Innovation and Analytics Conference and Exhibition (IACE 2015)</i>. In <i>AIP Conference Proceedings</i> (Vol. 1691, No. 1, p. 050014). AIP Publishing. 29 Sept – 1 Oct 2015, Kedah, Malaysia. (Scopus)</li> </ul> </li> </ul> </li> </ul>	
--	---	--

## 2. Refereed

1. **Hamid, H.** (2017). A New Framework of Smoothed Location Model with Multiple Correspondence Analysis. In *Proceedings of the 2nd International Conference on Computing, Mathematics and Statistics (iCMS 2015)* (pp. 117-128). Springer, Singapore. 4 – 5 November 2015, Langkawi, Malaysia.
2. **Hamid, H., & Mahat, N. I** (2010). Some Investigations on the LDA when Handling Large Number of Variables. In *Proceedings of Applied Mathematics International Conference 2010 (AMIC) & The 6th EASIAM Conference (EASIAM)* (pp. 91-101). 22 – 24 June 2010, Kuala Lumpur, Malaysia.
3. **Hamid, H.,** Zainal Abidin, N., Karim, S., & Ramli, R. (2005). An Evaluation of Hotel Selection Factors: A Technique using Analysis Hierarchy Process. In *Proceedings of the 2nd International Conference on Research and Education in Mathematics (ICREM 2)* (pp. 866-874). 25 – 27 May 2005, Kuala Lumpur, Malaysia.
4. **Hamid, H.,** Saleh, A. R., Khalid, K., & Latiff, A. A. A. (2004). Kajian Impirikal: Impak Faktor-faktor Ekonomi ke atas Indeks Komposit Bursa Saham Kuala Lumpur (KLCI). In *Proceedings of the National Conference of the 2nd Socio-Economic & IT* (pp. 273-286). 11 – 12 August 2004, Kedah, Malaysia.

## 3. Non-Refereed

**-NIL-**

## 4. National (Refereed)

1. Azhar, N. Z., & **Hamid, H.** (2021). Eating Attitudes among SQS Academic Staffs in Universiti Utara Malaysia. In *e-Proceedings of the 2nd Young Researchers' Quantitative Symposium 2019* (pp. 44-48). 26 November 2019, Universiti Utara Malaysia, Malaysia.
2. Mohd Nadzar, N. A. A., & **Hamid, H.** (2021). Fast Food Consumption Behaviour among School of Quantitative Science (SQS) Students in Universiti Utara Malaysia. In *e-Proceedings of the 2nd Young Researchers' Quantitative Symposium 2019* (pp. 49-54). 26 November 2019, Universiti Utara Malaysia, Malaysia.

	<p>3. Norrizan, N., &amp; <b>Hamid, H.</b> (2021). Forecasting Air Passenger Traffic in Malaysia. In <i>e-Proceedings of the 3rd Young Researchers' Quantitative Symposium 2021</i> (pp. 98-106). 12 January 2021, Universiti Utara Malaysia, Malaysia.</p> <p>4. Rohaizat, N., <b>Hamid, H.</b>, &amp; Yusoff, N. N. N. M. (2021). Analyzing Household Expenditure in the Northern Region of Malaysia. In <i>e-Proceedings of the 3rd Young Researchers' Quantitative Symposium 2021</i> (pp. 193-200). 12 January 2021, Universiti Utara Malaysia, Malaysia.</p> <p>5. Nurdin, A. H., <b>Hamid, H.</b>, &amp; Karim, S. (2021). Satisfaction of the Technology Usage and Service Quality among SQS Lecturers towards E-Banking Services. In <i>e-Proceedings of the 3rd Young Researchers' Quantitative Symposium 2021</i> (pp. 241-249). 12 January 2021, Universiti Utara Malaysia, Malaysia.</p>	
5.	<p><b>Other Publication/Editing</b>  <i>(Please list authors, year, title, publisher and number of pages)</i></p> <p>i. Bibliography (Academic)  <b>-NIL-</b></p> <p>ii. Encyclopedia Entry</p> <p><b>1. Penulis, Ensiklopedia Pengurusan bagi Artikel Pembolehubah, Jabatan Penerbitan dan Teknologi Media, Penerbit UUM, 2009.</b></p> <p><b>2. Penulis, Ensiklopedia Pengurusan bagi Artikel Sukatan Kecenderungan Memusat, Jabatan Penerbitan dan Teknologi Media, Penerbit UUM, 2009.</b></p> <p>iii. Article in Mass Media /Bulletin</p> <p><b>1. Penasihat, Majalah Tahunan Petronas Sesi 2004 – 2005, Petro 100. Kolej Kediaman Petronas, Universiti Utara Malaysia.</b></p> <p>iv. Creative Work  <b>-NIL-</b></p>	

E.	SEMINAR AND CONSULTATION	MARKS
1.	<p><b>Seminar</b></p> <p>1.1 International</p> <p>i. Main Speaker (Please list title, conference, venue, year) <b>-NIL-</b></p> <p>ii. Conference Chairman / Institutional Panel (Please list title, conference, venue, year)</p> <p>1. <b>Oral Session Chair</b>, IEEE International Conference on Applied System Innovation, Sapporo, Hokkaido, Japan, 13 – 17 May 2017.</p> <p>iii. Panel Member/Invited Speaker (Please list title, conference, venue, year) <b>-NIL-</b></p> <p>iv. Presenter/Writer</p> <p>1. <b>Hamid, H.</b>, &amp; Ngu, A. H. P. (2020). A Conceptual Framework in Developing a New Location Model. <i>The 6th International Conference on Quantitative Sciences and Its Applications (ICOQSIA 2020)</i>. Universiti Utara Malaysia, Malaysia, 13 – 14 October 2020. (<b>Presenter</b>)</p> <p>2. Mohammad Noor, N. F., <b>Hamid, H.</b>, &amp; Muhammad Sakri, M. S. (2019). Analysis of Angiogenic Drug Inhibitors on Rat’s Breast Tumour. <i>The 3<sup>rd</sup> ASIA International Multidisciplinary Conference 2019 (AIMC 2019)</i>. Johor Bahru, Malaysia, 1 – 2 May 2019. (<b>Writer</b>)</p> <p>3. Kamarudin, N., &amp; <b>Hamid, H.</b> (2019). Development of Linear Discriminant Analysis in Classifying Applicants for Monthly Zakat Allowance. <i>The 3<sup>rd</sup> ASIA International Multidisciplinary Conference 2019 (AIMC 2019)</i>. Johor Bahru, Malaysia, 1 – 2 May 2019. (<b>Writer</b>)</p> <p>4. <b>Hamid, H.</b> (2018). Preliminary Investigation of Outliers in Location Model. <i>International Conference on Computer Sciences and Technology Management 2018 (ICCSTM 2018)</i>. Perth, Australia, 26 – 28 October 2018. (<b>Presenter</b>)</p>	



5. **Hamid, H.** (2017). A Framework of Mixed Variables Classification in the Presence of Outliers: A Robust Location Model. *The 13th IMT-GT International Conference on Mathematics, Statistics and Their Applications (ICMSA 2017)*. University Utara Malaysia, Malaysia, 4 – 7 December 2017. **(Presenter)**
6. **Hamid, H.** (2017). New Algorithm of Location Model based on Robust Estimators and Smoothing Approach. *The IEEE International Conference on Applied System Innovation (ICASI 2017)*. Sapporo, Hokkaido, Japan, 13 – 17 May 2017. **(Presenter)**
7. **Hamid, H.** (2016). An Innovation Methodology of Location Model with the Presence of Outliers and Some Empty Cells. *The 6th International Conference on Science & Technology (ICSTIE 2016)*. Park Royal Penang Resort, Batu Ferringhi Pulau Pinang, Malaysia, 2 – 3 November 2016. **(Presenter)**
8. Huong, P. N. A., **Hamid, H.**, & Aziz, N. (2016). The Performance of Smoothed Location Model with PCA+Indicator MCA and PCA+Adjusted MCA. *The 4th International Conference on Quantitative Sciences and Its Applications (ICOQSIA 2016)*. Selangor, Malaysia, 16 – 18 August 2016. **(Writer)**
9. **Hamid, H.** (2015). A New Framework of Smoothed Location Model with Multiple Correspondence Analysis. *The 2nd International Conference on Computing, Mathematics and Statistics (iCMS 2015)*. Langkawi Lagoon Resort, Langkawi Island, Malaysia, 4 – 5 November 2015. **(Presenter)**
10. Huong, P. N. A., **Hamid, H.**, & Aziz, N. (2015). Multiple Correspondence Analysis for Handling Large Binary Variables in Smoothed Location Model. *The 2nd Innovation and Analytics Conference and Exhibition (IACE 2015)*. Alor Setar, Kedah, Malaysia, 29 Sept – 1 Oct 2015. **(Writer)**
11. Mei, L. M., **Hamid, H.**, & Aziz, N. (2015). Variables Extraction of Large Binary Variables in Discriminant Analysis based on Mixed Variables Location Model. *The 2nd Innovation and Analytics Conference and Exhibition (IACE 2015)*. Alor Setar, Kedah, Malaysia, 29 Sept – 1 Oct 2015. **(Writer)**

12. **Hamid, H.** (2010). A New Approach for Classifying Large Number of Mixed Variables. *The International Conference on Computer & Applied Mathematics: World Academy of Science, Engineering and Technology (WASET)*. Paris, France, 27 – 29 October 2010. **(Presenter)**
13. **Hamid, H., & Mahat, N. I** (2010). Some Investigations on the LDA when Handling Large Number of Variables. *The International Conference of Applied Mathematics (AMIC) & The 6th East Asia Siam Conference (EASIAM)*. PNB Darby Park, Kuala Lumpur, Malaysia, 22 – 24 June 2010. **(Presenter)**
14. **Hamid, H.,** Zainal Abidin, N., Karim, S., & Ramli, R. (2005). An Evaluation of Hotel Selection Factors: A Technique using Analysis Hierarchy Process. *The 2nd International Conference on Research and Education in Mathematics (ICREM 2)*. Kuala Lumpur, Malaysia, 25 – 27 May 2005. **(Presenter)**
15. **Hamid, H.** (2004). *The International Conference on Student Development (ICOSD)*. Pan Pacific Kuala Lumpur, Malaysia, 16 – 18 April 2004. **(Presenter)**

1.2 National

i. Main Speaker

*(Please list title, conference, venue, year)*

**-NIL-**

ii. Conference Chairman / Institutional Panel

*(Please list title, conference, venue, year)*

1. **Conference Chairman**, The 3rd Young Researchers' Quantitative Symposium (2<sup>nd</sup> Edition). Universiti Utara Malaysia, Malaysia, August 2020 - December 2021.

iii. Panel Member/Invited Speaker

*(Please list title, conference, venue, year)*

1. **Penceramah bagi Kursus Kuantitatif, Kementerian Pendidikan Malaysia Tahun 2015, Kursus QA Siri 3/2015 (Calon Sarjana), 27 Julai – 11 Ogos 2015.**

iv. Presenter/Writer  
(Please list title, conference, venue, year)

1. Azhar, N. Z., & **Hamid, H.** (2021). Eating Attitudes among SQS Academic Staffs in Universiti Utara Malaysia. The *2nd Young Researchers' Quantitative Symposium 2019*. Universiti Utara Malaysia, Malaysia, 26 November 2019. (**Writer**)
2. Mohd Nadzar, N. A. A., & **Hamid, H.** (2021). Fast Food Consumption Behaviour among School of Quantitative Science (SQS) Students in Universiti Utara Malaysia. The *2nd Young Researchers' Quantitative Symposium 2019*. Universiti Utara Malaysia, Malaysia, 26 November 2019. (**Writer**)
3. Norrizan, N., & **Hamid, H.** (2021). Forecasting Air Passenger Traffic in Malaysia. The *3rd Young Researchers' Quantitative Symposium 2021*. Universiti Utara Malaysia, Malaysia, 12 January 2021. (**Writer**)
4. Rohaizat, N., **Hamid, H.**, & Yusoff, N. N. N. M. (2021). Analyzing Household Expenditure in the Northern Region of Malaysia. The *3rd Young Researchers' Quantitative Symposium 2021*. Universiti Utara Malaysia, Malaysia, 12 January 2021. (**Writer**)
5. Nurdin, A. H., **Hamid, H.**, & Karim, S. (2021). Satisfaction of the Technology Usage and Service Quality among SQS Lecturers towards E-Banking Services. The *3rd Young Researchers' Quantitative Symposium 2021*. Universiti Utara Malaysia, Malaysia, 12 January 2021. (**Writer**)
6. **Hamid, H.** (2020). Innovation & Commercialisation "Creativity & Intellectual Property: Thinking Out of The Box". Online Seminar, 4<sup>th</sup> August 2020. (**Participant**)
7. **Hamid, H.**, Saleh, A. R., Khalid, K., & Latiff, A. A. A. (2004). Kajian Empirikal: Impak Faktor-faktor Ekonomi ke atas Indeks Komposit Bursa Saham Kuala Lumpur (KLCI). *Seminar Kebangsaan Sosio-Ekonomi & IT Ke-2*. Holiday Villa, Alor Star, Kedah, 11 – 12 Ogos 2004. (**Presenter**)

2.	<p><b>Consultation (Registered with UUM)</b></p> <p>2.1 International</p> <p>i. Programme Head <i>(Please list project, sponsor, value, main researchers and duration of consultancy)</i> <b>-NIL-</b></p> <p>ii. Project Leader <i>(Please list project, sponsor, value, main researchers and duration of consultancy)</i> <b>-NIL-</b></p> <p>iii. Members <i>(Please list project, sponsor, value, main researchers and duration of consultancy)</i> <b>-NIL-</b></p> <p>2.2 National</p> <p>i. Programme Head <i>(Please list project, sponsor, value, main researchers and duration of consultancy)</i> <b>-NIL-</b></p> <p>ii. Project Leader <i>(Please list project, sponsor, value, main researchers and duration of consultancy)</i> <b>-NIL-</b></p> <p>iii. Members <i>(Please list project, sponsor, value, main researchers and duration of consultancy)</i></p> <ol style="list-style-type: none"> <li>1. <b>Perunding SQS Statistical Consulting bagi tahun 2019.</b></li> <li>2. <b>Perunding Analisis Data Peperiksaan Akhir Semester A132, Pusat Pengajian Sains Kuantitatif (2014).</b></li> </ol>	
----	--	--

	<p>2.3 Teaching / Training (Training Workshop, Short Courses and Part Time Teaching)</p> <ol style="list-style-type: none"> <li>1. Tenaga Pengajar, Program Pendidikan Jarak Jauh Semester Januari Sesi 2018/2019 bagi Kursus SQQS1013 Pengantar Statistik.</li> <li>2. Fasilitator, Bengkel “Regression Analysis using SPSS: A Step-by-Step Approach”, Statistical Consulting Unit, Pusat Pengajian Sains Kuantitatif (2015).</li> <li>3. Tenaga Pengajar, Program Asasi Pengurusan Semester Kedua Sesi 2014/2015.</li> <li>4. Mentor, Pelajar Program Asasi Pengurusan Semester Kedua Sesi 2014/2015.</li> <li>5. Tenaga Pengajar, Program Pendidikan Jarak Jauh Semester April Sesi 2008/2009 bagi Kursus QQS1013 Pengantar Statistik.</li> <li>6. Tenaga Pengajar, Program Pendidikan Jarak Jauh Semester Oktober Sesi 2007/2008 bagi Kursus QQS1013 Pengantar Statistik.</li> <li>7. Tenaga Pengajar, Program Kerjasama UUM-IPTS Semester 1 Sesi 2007/2008 bagi Kursus QQS1013 Pengantar Statistik.</li> <li>8. Fasilitator of ADN1013 Course - Tamadun Islam &amp; Tamadun Asia 1, July 2006 - July 2007.</li> </ol>	
--	--	--

F.	ACADEMIC RECOGNITION AND LEADERSHIP	MARKS
1.	<p><b>Committee Member - Professional/Academic/Board of Directors</b> <i>(Please provide details)</i></p> <p>1. International -NIL-</p> <p>2. National -NIL-</p>	
2.	<p><b>Assessor/Technical Committee</b> <i>(Please provide details)</i></p> <p>i. International</p> <p>1. <b>Technical Committee Member of the 5th International Conference on Computing &amp; Informatics 2015 (ICOCI 2015).</b></p> <p>2. <b>Ahli Panel Penemuduga bagi Pencalonan Pelajar Mobiliti (Praktikum) ke Luar Negara Sesi A132 (Julai, 2014).</b></p> <p>ii. National</p> <p>1. <b>Active Reviewer for the Journal <i>PLOS ONE</i>, 2021.</b></p> <p>2. <b>Pemeriksa Skrip Jawapan Matematik bagi Program Matrikulasi Kementerian Pelajaran Malaysia, Semester 1 Sesi 2006/2007.</b></p> <p>3. <b>Pemeriksa Skrip Jawapan Matematik bagi Program Matrikulasi Kementerian Pelajaran Malaysia, Semester 2 Sesi 2005/2006.</b></p> <p>4. <b>Pemeriksa Skrip Jawapan Pengantar Statistik bagi Peperiksaan Akhir Program Pendidikan Jarak Jauh (PJJ) UUM, Semester Januari Sesi 2018/2019.</b></p>	

	<p>iii. University</p> <ol style="list-style-type: none"> <li>1. <b>Ahli Mesyuarat Pengesahan Abstrak Pelajar PhD Ahmad Hafeez (901078). Universiti Utara Malaysia, 2 Februari 2021.</b></li> <li>2. <b>Ahli Mesyuarat Pengesahan Abstrak Pelajar PhD Mohamed Cassim Ali Buhtto (902303). Universiti Utara Malaysia, 11 April 2021.</b></li> <li>3. <b>Ahli Mesyuarat Pengesahan Abstrak Pelajar Sarjana Statistik Mohd Azri Pawan. Universiti Utara Malaysia, 12 April 2018.</b></li> </ol>	
3.	<p><b>Visiting Lecturer/Fellow/Professor</b> <i>(Please list position, place and dates/duration)</i></p> <ol style="list-style-type: none"> <li>i. International <b>-NIL-</b></li> <li>ii. National <b>Felo Penyelidik Institut Penyelidikan Pengurusan &amp; Perniagaan (IMBRe). Pejabat Timbalan Naib Canselor (Penyelidikan dan Inovasi), Universiti Utara Malaysia, 2020.</b></li> </ol>	
4.	<p><b>Editorial Board – Journal/Magazines</b> <i>(Please list position, name of journal and duration)</i></p> <ol style="list-style-type: none"> <li>i. International <ol style="list-style-type: none"> <li>1. <b>Hashibah Hamid (2019). Editorial Board Members in “SCIREA Journal of Mathematics”. Science Research Association.</b></li> <li>2. <b>Hashibah Hamid (2017). Editorial Board Members in “American Journal of Theoretical and Applied Statistics (AJTAS)”. Science Publishing Group Inc. 548 FASHION AVENUE NEW YORK, NY 10018 U.S.A.</b></li> </ol> </li> <li>ii. National <ol style="list-style-type: none"> <li>1. <b>Hashibah Hamid (Sept 2020 - April 2021). Associate Editor in “International Journal of Applied Mathematics and Computational Intelligence (AMCI)”. Universiti Malaysia Perlis</b></li> </ol> </li> </ol>	

	<p>(UniMAP).</p> <p>2. Hashibah Hamid (August 2021 - April 2023). Associate Editor in “International Journal of Applied Mathematics and Computational Intelligence (AMCI)”. Universiti Malaysia Perlis (UniMAP).</p> <p>3. Hashibah Hamid (August 2020 - December 2021). Editor, e-Proceedings of the 3rd Young Researchers' Quantitative Symposium 2021 (2nd edition): Enriching Knowledge and Innovation through Quantitative Sciences. Universiti Utara Malaysia (UUM).</p>	
5.	<p><b>Discussion Panel (In Area of Expertise)</b> <i>(Please provide details)</i></p> <p>i. International -NIL-</p> <p>ii. National</p> <p>1. <b>Panel Penilai Skim Geran Penyelidikan Fundamental (FGRS) Peringkat Universiti Fasa 1/2020. Universiti Utara Malaysia.</b></p> <p>2. <b>Panel Penilai bagi Geran Dana Penyelidikan Kementerian Pengajian Tinggi (DP KPT) Peringkat Universiti Tahun 2021. Universiti Utara Malaysia.</b></p>	
6.	<p><b>Assessor/Examiner</b></p> <p>a) External Examiner for Thesis <i>(Please list name of students, year, project title, in institution)</i></p> <p>b) Ph.D</p> <p>1. <b>Aamna Khan. Influence Diagnostic Methods in Poisson Regression Models with Biased Estimators. Department of Statistics, Bahauddin Zakariya University, Multan, Pakistan, 2021.</b></p> <p>c) DBA -NIL-</p>	



d) Masters  
-NIL-

e) Internal Examiner for Thesis  
*(Please list name of students, year, project title, in institution)*

f) Ph.D

- 1. Ajare Emmanuel Oloruntoba (901903). Identification of Time Series Components using Break for Time Series Components (BFTSC) and Group for Time Series Components (GFTSC) Techniques. Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, 2021.**
- 2. Mohamed Cassim Alibuhtto (902303). Optimized Clustering using Distance Based K-means Algorithm for Big Data. Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, 2020.**
- 3. Ahmad Hafeez (901078). Structural Equation Modeling to Solve Singularity and Outlier Problems in High Dimensional Cases. Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, 2020.**

g) Proposal Ph.D. Defense

1. Pang Yik Siong (904176). Median-Based Robust Multiclass Linear Discriminant Analysis with Casewise and Cellwise Outliers. Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, 2021.
2. Lim Yai Fung (900800). New Robust Linear Discriminant Models Distance and Coordinatewise Based Estimators. Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, 2017.
3. Hafeez Ahmad (901078). Modification of Variance Structure in Structural Equation Modelling to Resolve the Singularity in High-Dimensional Cases. Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, 2017.

	<p>4. Faridzah Jamaludin (900921). Robust Multivariate Exponential Weighted Moving Average (MEWMA) Control Charts based on Coordinate-Wise and Distance Based Estimators. Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, 2018.</p> <p>5. Mohamed Cassim Alibuhtto (902303). Optimized Clustering using Distance Based K-means Algorithm for High Dimensional Data. Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, 2018.</p> <p>6. Ajare Emmanuel Oloruntoba (901903). Identification of the Time Series Components in Univariate Forecasting. Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, 2018.</p> <p>7. Agboluaje Ayodele Abraham (94907). Modelling the Error Terms to Improve the Accuracy of Vector Autoregression (VAR) Estimation. Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, 2014.</p> <p>iii. Chairman of Viva Session (Ph.D.)</p> <p><b>1. Norin Rahayu Shamsuddin (900985). Two-Fold Cross-Validation in Estimating Number of Clusters for Consensus Clustering. Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, 2021.</b></p> <p><b>2. Waqar Hafeez (902911). Family of Bayesian Group Chain Sampling Plans. Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, 2021.</b></p> <p>iv. DBA</p> <p style="text-align: center;"><b>-NIL-</b></p> <p>v. Masters (Research)</p> <p><b>1. Ahmad Hakiim Jamaluddin (822665). Principal Component Analysis Embedded Linear Discriminant Analysis with Resampling for Imbalanced Groups Classification. Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, 2019.</b></p>	
--	---	--

	<p>2. <b>Nuraimi Ruslan (818152). A Robust Approach in Testing and Diagnosing M-Statistic. Awang Had Salleh Graduate School of Arts and Sciences, Universiti Utara Malaysia, 2017.</b></p> <p>vi. Proposal Master Defense</p> <ol style="list-style-type: none"> <li>1. Tobi Kingsley Ochuko. Winsorized Modified One Step M-Estimator in Alexander-Govern Test. School of Quantitative Sciences, Universiti Utara Malaysia, 2014.</li> <li>2. Nuraimi Ruslan (818152). A Robust Approach in Testing and Diagnosing M-Statistic. School of Quantitative Sciences, Universiti Utara Malaysia, 2016.</li> <li>3. Ahmad Hakiim Jamaluddin (822665). Examining Principal Component Analysis Embedded Linear Discriminant Analysis with Resampling for Imbalanced Groups Classification. School of Quantitative Sciences, Universiti Utara Malaysia, 2018.</li> </ol> <p>vii. Masters (Coursework) <b>-NIL-</b></p> <p>viii. Chairman of Viva Session (Proposal Defense)</p> <ol style="list-style-type: none"> <li>1. Hameedah Malik (819154). The Comparison of Robust Linear Discriminant Analysis based on Coordinatewise Approach. School of Quantitative Sciences, Universiti Utara Malaysia, 2017.</li> <li>2. Muhd Faiq Nurhakim Nor Iskandar (821977). Generalized Two-Sided Group Chain Acceptance Sampling Plan based on Truncated Test and Non-Symmetrical Data Theory. School of Quantitative Sciences, Universiti Utara Malaysia, 2017.</li> </ol>	
7.	<p><b>Assessor of Article in Academic Journal</b> <i>(Please list editor, year/duration, title and name of journal/published)</i></p> <ol style="list-style-type: none"> <li>1. <b>Article Journal Reviewer, Journal of Information and Communication Technology JICT (2021) for the paper:</b> An Estimation of the Entropy for Power Function Distribution in the Presence of Outliers with Applications.</li> </ol>	

	<p>2. <b>Article Journal Reviewer, PLOS ONE Journal (2021) for the paper:</b> Research Quality Assessment Model (RQAM) for Higher Education using Regression and Path Analysis.</p> <p>3. <b>Article Journal Reviewer, International Journal of Applied Mathematics and Computational Intelligent (AMCI) (2021) for the paper:</b> Regression Analysis on Crime Rates in Kaduna State from 2002-2016.</p> <p>4. <b>Article Symposium Reviewer, The 3rd Young Researchers' Quantitative Symposium (YRQS 2021) for the papers:</b></p> <ol style="list-style-type: none"> <li>a. The Prevalence of Obesity and Overweight among UUM Students during Covid-19 Pandemic.</li> <li>b. Crime Index Trends and Patterns in Kelantan.</li> <li>c. Impact of Financial Literacy Level on Financial Behaviour of Undergraduate Students in Universiti Utara Malaysia (UUM).</li> <li>d. English Language Speaking Anxiety among School of Quantitative Sciences (SQS) Undergraduate Students.</li> <li>e. Robust Shewhart Control Chart based on Trimmed Mean and Trimean.</li> <li>f. Median Based Robust Shewhart Control Chart.</li> </ol> <p>5. <b>Article Journal Reviewer, Journal of Information and Communication Technology JICT (2020) for the paper:</b> Comparison of Logistic Regression and Discriminant Analysis in SPAM EMAIL Classification.</p> <p>6. <b>Article Journal External Reviewer, PERTANIKA Journal of Science and Technology JST (2020) for the papers:</b></p> <ol style="list-style-type: none"> <li>a. Elastic-Net Regression based on Empirical Mode Decomposition for Multivariate Predictors.</li> <li>b. Modelling Familial Hypercholesterolaemia of Malaysian Patients using Ordinal Logistic Regression.</li> </ol> <p>7. <b>Article Reviewer, The 6th International Conference on Quantitative Sciences and Its Applications 2020 (ICOQSIA 2020) for the papers:</b></p> <ol style="list-style-type: none"> <li>a. Analysis of Daily Maximum Temperature and Wind Speed in Malaysia using Repeated Measures Anova.</li> <li>b. Factors Affecting Housing Prices in Malaysia.</li> <li>c. Robust Multivariate Location Estimation in the Existence of Case-Wise and Cell-Wise Outliers.</li> </ol>	
--	--	--

<p><b>8. Article Reviewer, The 4th Innovation and Analytics Conference &amp; Exhibition 2019 (IACE 2019) for the papers:</b></p> <ul style="list-style-type: none"> <li>a. Distance-based Regression for Non-normal Data.</li> <li>b. Measuring Stability of Objects in Cluster through Voting-merged Approach.</li> </ul> <p><b>9. Article Journal External Reviewer, PERTANIKA Journal of Science and Technology JST (2019) for the paper:</b></p> <p>Modified Multiple Regression Analysis with 8 Selection Criteria for Seaweed Drying using V-Groove Hybrid Solar Dryer.</p> <p><b>10. Article Reviewer, Journal of Information and Communication Technology (JICT 2019) for the paper:</b></p> <p>The Effects of Resampling Methods on Linear Discriminant Analysis for Data Set with Two Imbalanced Groups.</p> <p><b>11. Article Reviewer, The 5th International Soft Science Conference 2018 (ISSC'18) for the papers:</b></p> <ul style="list-style-type: none"> <li>a. Challenges in Teaching and Learning of Nationhood Education in Malaysia.</li> <li>b. The Relationship between Intellectual, Emotional and Spiritual Quotient and Teachers' Job Performance: A Study in National Secondary Schools in Northern Peninsular Malaysia.</li> </ul> <p><b>12. Article Reviewer, The 5th International Conference on Quantitative Sciences and Its Applications 2018 (ICOQSIA 2018) for the papers:</b></p> <ul style="list-style-type: none"> <li>a. Determinants of Debt Structure in Ace Market Bursa Malaysia A Panel Data Analysis.</li> <li>b. The Negative Binomial-Weighted Lindley Distribution.</li> </ul> <p><b>13. Article Reviewer, International Seminar on Mathematics in Industry &amp; International Conference on Theoretical and Applied Statistics 2018 (ISMI-ICTAS18) for the papers:</b></p> <ul style="list-style-type: none"> <li>a. Genetic Algorithm for Parameter Optimization in Support Vector Machines and Fuzzy Support Vector Machines: Case of Colon Cancer Microarray Classification.</li> <li>b. Grouping Districts/Cities based on Environment Sanitation Indicators as Basic Evaluation of SDGs Goals Achievement in East Java Province.</li> </ul> <p><b>14. Article Journal Reviewer, Journal of Information and Communication Technology (2018) for the paper:</b></p> <p>Models of Multivariate Regression for Labor Accidents in Different Production Sectors: Comparative Study.</p>	
--	--

	<p>15. <b>Article Journal External Reviewer, PERTANIKA Journal of Science and Technology JST (2018) for the paper:</b>  A Side-sensitive Modified Group Runs Control Chart with Auxiliary Information to Detect Process Mean Shifts.</p> <p>16. <b>Article Journal Reviewer, International Journal of Educational Development (2017) for the paper:</b>  A Markov Transitional Modeling Approach to Understand School Progression of Primary School Children in Ethiopia.</p> <p>17. <b>Article Reviewer, The 13th IMT-GT International Conference on Mathematics, Statistics and Their Applications (ICMSA 2017) for the papers:</b></p> <ol style="list-style-type: none"> <li>a. Identification on the Risk Factors of Thyroid Cancer by using Logit Model.</li> <li>b. Applying Treatment on Outliers in SARIMA Models for Forecasting Dengue Cases in Baguio City, Philippines for Age Groups Not Eligible for Vaccination.</li> <li>c. Performance of Bias-Corrected Sandwich Variance Estimators in Generalized Estimating Equations with Count Outcomes.</li> <li>d. Non-Normal Data Correction in H-Statistics using Winsorization.</li> </ol> <p>18. <b>Article Reviewer, International Conference on Education, Mathematics and Science 2016 (ICEMS 2016) in conjunction with 4th International Postgraduate Conference on Science and Mathematics 2016 (IPCSM 2016) for the paper:</b>  Measuring HRQoL Questionnaire on Comparing the Perception of Air Quality in Urban Cities in Malaysia.</p> <p>19. <b>Article Reviewer, The 4th International Conference on Quantitative Sciences and Its Application 2016 (ICOQSIA 2016) for the paper:</b>  Using Multiple Factor Analysis to Study Students' GPA: Case Study Faculty of Science, University of Benghazi.</p> <p>20. <b>Article Reviewer, The 2nd Innovation and Analytics Conference &amp; Exhibition 2015 (IACE 2015) for the papers:</b></p> <ol style="list-style-type: none"> <li>a. Time Series Regression and ARIMAX for forecasting Currency Flow at Bank Indonesia in Sulawesi Region.</li> <li>b. Simulation Study for Model Performance of Multiresponse Semiparametric Regression.</li> </ol> <p>21. <b>Article Reviewer, International Conference on Computing &amp; Informatics 2015 (ICOCI 2015) for the papers:</b></p> <ol style="list-style-type: none"> <li>a. Heuristic Evaluation for Mobile Historical Event Storytelling</li> </ol>	
--	--	--

	<p>(MHES): A Mobile Search Case Study.</p> <p>b. Algorithmic Approaches in Model Selection of the Air Passenger Flows Data.</p> <p><b>22. Article Reviewer, The 3rd International Conference on Quantitative Sciences and Its Application 2014 (ICOQSIA 2014) for the papers:</b></p> <p>a. Predicting the Significant Factor Response in Rotating Disc Contactor (RDC) Column using Regression Model.</p> <p>b. Winsorised Gini Impurity: A Resistant to Outliers Splitting Metric for Classification Tree.</p> <p>c. Detecting Most Influencing Courses on Students Grades using Block PCA.</p> <p><b>23. Penilai, Ensiklopedia Pengurusan. Artikel: Persampelan Kuota (2009).</b></p> <p><b>24. Penilai, Ensiklopedia Pengurusan. Artikel: Pensampelan Strata &amp; Pensampelan Sistem (2009).</b></p>	
8.	<p><b>External Examiner/Committee Member for Promotion, Accreditation, Research, Quality and Curriculum</b> <i>(Please provide details)</i></p> <p><b>1. Penilai Proposal Geran KPT FRGS Fasa I, Pusat Pengajian Sains Kuantitatif (2022).</b></p> <p>Nor Hisham Haron A New Split Distance-based MANOVA for Modelling Mixed Variables.</p> <p>Kamarun Hizam High-Accuracy Generalised Higher Derivative Block Method for SIR and SI-SIR Models in Predicting Dengue Outbreak.</p> <p><b>2. Penilai Laporan Kemajuan Penyelidikan Dana KPT Pemantauan Fasa 1/2022</b></p> <p>Prof. Madya Dr. Nor Aishah binti Ahad Kod S/O: 14382 Novel Rules for Robust Linear Discriminant Using Distance-Based and Coordinate-Wise Estimators in Handling Non-Normality.</p> <p>Prof. Dr. Sharipah Soaad Bt Syed Yahaya Kod S/O: 14352 High-Performance Robust Multivariate Synthetic Control Charts With Highest Breakdown Point Location Estimators.</p>	

	<p><b>3. Penilai Cadangan Penyelidikan untuk Geran Penjanaan Penyelidikan 2021, Pusat Pengajian Sains Kuantitatif</b>  Prof. Madya Dr. Norhaslinda Zainal Abidin  Towards Online Learning in TVET: Issues, Challenges and Suggestion for Strengthening TVET Education during Covid-19 Pandemic in Malaysia.</p> <p><b>4. Penilai Cadangan Penyelidikan untuk Geran Penjanaan Penyelidikan Universiti 2020, Pusat Pengajian Sains Kuantitatif</b>  Dr. Malina Zulkifli  Permodelan Jenayah Penyeludupan Rentas Sempadan menggunakan Pendekatan Regresi.</p> <p><b>5. Penilai Proposal Pelajar Statistik Industri Projek I (SQQS3122) Sesi A202 (2021).</b></p> <p><b>6. Penilai Pembentangan Proposal Pelajar Statistik Industri Projek II (SQQS3134) Sesi A201 (2021).</b></p> <p><b>7. Penilai Progress Presentation bagi Pelajar Teh Kian Wooi (904431). Ph.D (Statistik), 26 Disember 2021.</b></p> <p><b>8. Penilai Project Paper (SQSZ6996) untuk Pelajar MSc. Data Analysis. (2019).</b></p> <p><b>9. Penilai Pembentangan Geran FRGS Fasa II, Pusat Pengajian Sains Kuantitatif (2017).</b></p> <p><b>10. Penilai Geran Universiti (2017)</b>  Rosnalini Mansor  Prediction Stock Movement using Weighted Subset-hood Stock Market Fuzzy Time Series.</p> <p><b>11. Penilai Geran Universiti (2017)</b>  Nor Hisham Haron  New Group Chain Acceptance Sampling Plan for Truncated Life Test of Non-Symmetrical Data.</p> <p><b>12. Penilai Pembentangan Laporan Akhir untuk Pelajar SQQS3122 Statistik Industri Projek I Sesi A162 (2017).</b></p>	
--	---	--



	<p><b>13. Penilai Pembentangan Laporan Praktikum Sesi A161, Pusat Pengajian Sains Kuantitatif (2017).</b></p> <p><b>14. Penilai Pembentangan Laporan Akhir untuk Pelajar SQQS3134 Statistik Industri Projek II Sesi A161 (2017).</b></p> <p><b>15. Penilai Pembentangan Laporan Praktikum Sesi A152, Pusat Pengajian Sains Kuantitatif (2017).</b></p> <p><b>16. Penilai Pembentangan Proposal untuk Pelajar SQQS3122 Statistik Industri Projek I Sesi A152 (2016).</b></p> <p><b>17. Penilai Cadangan Penyelidikan untuk Geran CoE, Pusat Pengajian Sains Kuantitatif (2016).</b></p> <p><b>18. Penilai Pembentangan Geran FRGS, Pusat Pengajian Sains Kuantitatif (2015).</b></p> <p><b>19. Penilai Pembentangan Proposal untuk Pelajar SQQS3122 Statistik Industri Projek I Sesi A142 (2015).</b></p> <p><b>20. Penilai Pembentangan Laporan Praktikum Sesi A132, Pusat Pengajian Sains Kuantitatif (2014).</b></p> <p><b>21. Penilai Pembentangan Laporan Akhir untuk Pelajar SQQS3134 Statistik Industri Projek II Sesi A171 (2017).</b></p> <p><b>22. Penilai Pembentangan Laporan Praktikum Sesi A171, Pusat Pengajian Sains Kuantitatif (2018).</b></p> <p><b>23. Penilai Kolokium Pelajar Pascasiswazah (Statistik), Semester A172 Sesi 2017/2018.</b></p> <p><b>24. Penilai Pembentangan Geran FRGS Fasa I, Pusat Pengajian Sains Kuantitatif (2018).</b></p>	

9.	<p><b>Awards for Innovation/Academic Award</b>  <i>(Please list award, name, year, level, awarding body and country)</i></p> <p>i. International</p> <p><b>1. First Prize, Paper Award for New Algorithm of Location Model based on Robust Estimators and Smoothing Approach. IEEE International Conference on Applied System Innovation, 13 – 17 May 2017, Sapporo, Hokkaido, Japan.</b></p> <p>ii. National  <b>-NIL-</b></p> <p>iii. University Level</p> <p><b>1. 2021, Excellence for having actively participated in the Publication during MCO Campaign, Research and Innovation Management Centre (RIMC), Universiti Utara Malaysia.</b></p> <p><b>2. 2016, Anugerah Perkhidmatan Cemerlang, Universiti Utara Malaysia.</b></p> <p><b>3. 2006, Excellent Service Award Universiti Utara Malaysia.</b></p>	
10.	<p><b>Distinguished Award (Special Award)</b>  <i>(Please list award, name, year, level, awarding body and country)</i></p> <p>i. International  <b>-NIL-</b></p> <p>ii. National  <b>-NIL-</b></p> <p>iii. State  <b>-NIL-</b></p>	
11.	<p><b>Exhibition Award</b>  <i>(Please list award, name, year, level, awarding body and country)</i></p> <p>i. International  <b>-NIL-</b></p>	

	<p>ii. National -NIL-</p> <p>iii. State -NIL-</p>	
12.	<p><b>Commercialization of Research and Intellectual Property</b> <i>(Please provide details)</i></p> <p><b>1. Copyright for A New Discrimination Model for Data with Outliers and Empty Cells, <u>Hashibah Hamid</u> &amp; Sharipah Soaad Syed Yahaya. 2017. (Registration No. LY2017005628).</b></p>	
13.	<p><b>Member of University/Academic Associations</b></p> <p>1. Management Science/Operations Research Society of Malaysia (MSORSM), 2017 – Present (Membership No. LMM 041).</p> <p>2. Persatuan Sains Matematik Malaysia (PERSAMA), 2016 – Present (Membership No. HS2016-1).</p> <p>3. Institut Statistik Malaysia (ISM), 2010 – Present (Membership No. 380).</p> <p>4. IEEE Advancing Technology for Humanity, 2014 – 2015 (Membership No. 93156296).</p> <p>5. International Association of Computer Science and Information Technology (IACSIT), 2013 – 2014 (Membership No. 80347430).</p> <p>6. Persatuan Staf Akademik UUM (PERSATU), 2005 – Present (Membership No. 1907).</p> <p>7. Koperasi Universiti Utara Malaysia Sdn. Bhd. 2006 – Present (Membership No. 1451).</p>	

G.	SERVICE TO THE UNIVERSITY/COMMUNITY	MARKS
1.	<p><b>University</b></p> <p>ii. Administration</p> <ol style="list-style-type: none"> <li>1. Penyelaras, Kursus Statistik Industri Projek I (SQQS3122). Sesi A211, 2022.</li> <li>2. Penyelaras, Kursus Penjelajahan dan Pengitlakan Data (SQQS1033) Semester 1 Sesi 2021/2022. Pusat Pengajian Sains Kuantitatif.</li> <li>3. Penyelaras, Kursus Analisis Multivariat (SQQS3113) Semester 1 Sesi 2020/2021. Pusat Pengajian Sains Kuantitatif.</li> <li>4. Penyelaras, Kursus Analisis Multivariat (SQQS3113) Semester 2 Sesi 2019/2020. Pusat Pengajian Sains Kuantitatif.</li> <li>5. Penyelaras, Program Pendidikan Jarak Jauh Semester Januari Sesi 2018/2019 bagi Kursus SQQS1013 Pengantar Statistik.</li> <li>6. Penyelaras, Kursus Penjelajahan dan Pengitlakan Data (SQQS1033) Semester 1 Sesi 2018/2019. Pusat Pengajian Sains Kuantitatif.</li> <li>7. Penyelaras, Kursus Statistik Industri Projek II (SQQS3134). Semester 1 Sesi 2017/2018.</li> <li>8. Penolong Pengurus Data bagi Jawatankuasa Kerja Perlaksanaan Memorandum Persefahaman antara Jabatan Perangkaan Malaysia &amp; Universiti Utara Malaysia di Peringkat SQS (1 December 2014 – 31 December 2016).</li> <li>9. Penyelaras, Kursus Fundamental of Mathematics 2 (AQ0023) Semester 2, Sesi 2014/2015. Pusat Asasi Pengurusan, UUM.</li> <li>10. Penyelaras, Kursus Pemodelan Regrasi (SQQS2073) Semester 2 Sesi 2014/2015. Pusat Pengajian Sains Kuantitatif.</li> <li>11. Penyelaras, Kursus Pemodelan Regrasi (SQQS2073) Semester 1 Sesi 2014/2015. Pusat Pengajian Sains Kuantitatif.</li> <li>12. Perunding Analisis Data Peperiksaan Akhir Semester A132 Pusat Pengajian Sains Kuantitatif (2014).</li> </ol>	

	<p>13. Penyelaras, Kursus bagi Program Kerjasama UUM-IPTS Semester 2 Sesi 2007/2008. Fakulti Sains Kuantitatif.</p> <p>14. Penyelaras, Kursus bagi Program Kerjasama UUM-IPTS Semester 1 Sesi 2007/2008 bagi Program Pengantar Statistik (QQS1013). Fakulti Sains Kuantitatif.</p> <p>15. Felo Dewan Penginapan Pelajar Petronas (1 January 2008 – 31 December 2008).</p> <p>16. Felo Kolej Kediaman Petronas (1 January 2007 – 31 December 2007).</p> <p>17. Felo Kolej Kediaman Petronas (1 January 2006 – 31 December 2006).</p> <p>18. Felo Kolej Kediaman Petronas (1 January 2005 – 31 December 2005).</p> <p>19. Felo Kolej Kediaman Petronas (1 January 2004 – 31 December 2004).</p> <p>iii. University Committee <i>(Please list membership, committee and duration/year, candidate must be appointed as a member not by virtue of position)</i></p> <p>1. Chairman, The 3rd Young Researchers' Quantitative Symposium, YRQS. Universiti Utara Malaysia (August 2020 - December 2021).</p> <p>2. Editor, e-Proceedings of the 3rd Young Researchers' Quantitative Symposium 2021 (2nd Edition): Enriching Knowledge and Innovation through Quantitative Sciences. Universiti Utara Malaysia.</p> <p>3. Ahli, Jawatankuasa Data JAB Perangkaan “SQS Statistical Consulting” Pusat Pengajian Sains Kuantitatif (Januari 2017 – Disember 2017).</p> <p>4. Pengerusi, Jawatankuasa “SQS Statistical Consulting” (Januari – Disember 2018).</p> <p>5. Exco Data Jabatan Perangkaan “SQS Statistical Consulting” (Januari – Disember 2018).</p> <p>6. Pengerusi, Jawatankuasa “SQS Statistical Consulting” (1 Januari – 30 April 2019).</p> <p>7. Exco Data Jabatan Perangkaan “SQS Statistical Consulting” (Januari – Disember 2019).</p>	
--	--	--

	<p>iii. College Committee</p> <ol style="list-style-type: none"> <li>1. Ahli, Jawatankuasa Pengkomersilan dan Inovasi Pusat Pengajian Sains Kuantitatif (18 Januari – 31 Disember 2021).</li> <li>2. Ahli, Jawatankuasa Keusahawanan Pusat Pengajian Sains Kuantitatif (18 Januari – 31 Disember 2021).</li> <li>3. Ahli, Jawatankuasa Pengkomersilan dan Inovasi Pusat Pengajian Sains Kuantitatif (14 Januari – 31 Disember 2020).</li> <li>4. Ahli, Jawatankuasa Inovasi dan Pengkomersilan Pusat Pengajian Sains Kuantitatif (1 Januari – 31 Disember 2019).</li> <li>5. Ahli, Jawatankuasa Keusahawanan Pusat Pengajian Sains Kuantitatif (1 Januari – 31 Disember 2018).</li> <li>6. Ahli, Jawatankuasa ADHOC COPPA 2017 Pusat Pengajian Sains Kuantitatif (1 Julai – 31 Disember 2017).</li> <li>7. Ahli, Jawatankuasa Penyelidikan, Perundingan &amp; Penerbitan, Pusat Pengajian Sains Kuantitatif (January 2017 – December 2017).</li> <li>8. Ahli, Jawatankuasa ISO, Pusat Pengajian Sains Kuantitatif (January 2017 – December 2017).</li> <li>9. Ahli, Jawatankuasa AUN QA bagi Program Matematik Perniagaan SQS (October 2014 – June 2015).</li> <li>10. Ahli, Jawatankuasa Pasca AUN QA bagi Program Matematik Perniagaan SQS (2015).</li> <li>11. Ahli, Jawatankuasa Kerja Swaakreditasi Pusat Pengajian Sains Kuantitatif (2015).</li> <li>12. Ahli Mesyuarat Jawatankuasa Ad-Hoc Prasyarat Kursus Program Statistik (2014).</li> <li>13. Ahli, Jawatankuasa Perundingan “SQS Statistical Consulting”, Pusat Pengajian Sains Kuantitatif (January 2014 – December 2014).</li> <li>14. Ahli, Jawatankuasa Pembangunan Pelajar &amp; Alumni, Pusat Pengajian Sains Kuantitatif (2014).</li> </ol>	
--	--	--

	<p>15. Ahli, Jawatankuasa Kecil ISO, Pusat Pengajian Sains Kuantitatif (2014).</p> <p>16. Ahli, Jawatankuasa Pembangunan Pelajar &amp; Alumni, Pusat Pengajian Sains Kuantitatif (2013).</p> <p>17. Ahli, Jawatankuasa Kecil ISO, Pusat Pengajian Sains Kuantitatif (2013).</p> <p>18. Ahli, Jawatankuasa Pengurusan Pelajar Antarabangsa Program Sarjana Muda Kolej Sastera &amp; Sains (2008).</p> <p>19. Ketua Pengawas Peperiksaan Intersesi Sesi 2007/2008. Jabatan Hal Ehwal Akademik (12 – 13 Jun 2008).</p> <p>20. Ahli, Jawatankuasa Bengkel Perisian Statistik, Fakulti Sains Kuantitatif (2005).</p> <p>21. Ahli, Jawatankuasa Penerbitan, Fakulti Sains Kuantitatif (2004).</p> <p>22. Ahli, Jawatankuasa Promosi, Fakulti Sains Kuantitatif (2004).</p> <p>23. Biro Informasi dan Penerbitan, Jawatankuasa Pembangunan Pelajar Kolej Kediaman Pertronas (2004 – 2005).</p> <p>24. Biro Latihan dan Akademik, Jawatankuasa Pembangunan Pelajar Kolej Kediaman Pertronas (2004 – 2005).</p> <p>iv. University Representative <i>(Sports and Non-Academic Activities)</i></p> <p><b>1. Pegawai Pengiring, Program Lawatan Balas ke Universiti Putra Malaysia (12 – 14 Februari 2004).</b></p> <p>v. Member of Staff Committee/Professional Committee <i>(Please list membership, committee and duration/year, candidate must be appointed as a member not by virtue of position)</i></p> <p><b>-NIL-</b></p>	
--	--	--

2.	<p><b>Community</b> (Participation in activities at the following levels)</p> <p>i. International <i>(Please list activities, venue and dates)</i></p> <p style="text-align: center;"><b>-NIL-</b></p> <p>ii. National <i>(Please list activities, venue and dates)</i></p> <p style="text-align: center;"><b>-NIL-</b></p> <p>iii. State <i>(Please list activities, venue and dates)</i></p> <ol style="list-style-type: none"> <li>1. <b>Exco “Petronas Summer Camp”, Petronas Bhd. Kedah. Motivasi anak kakitangan Petronas Bhd. yang bakal menghadapi PMR, SPM dan STPM, 2 – 4 Mei 2005.</b></li> <li>2. <b>Penasihat “Karnival Media”, Alor Star. Mempromosikan UUM/pelajar kepada syarikat penyiaran, 21 – 23 Julai 2005.</b></li> </ol> <p>iv. District/Village/Institution</p> <ol style="list-style-type: none"> <li>1. <b>Penasihat dan Fasilitator “Petro 100 Three Pointer”, Kolej Kediaman Petronas UUM. Menghasilkan warga Kolej Petronas yang cemerlang, 31 Disember 2004.</b></li> <li>2. <b>Penasihat dan Fasilitator “Petro Cemerlang, Gemilang &amp; Terbilang”, Kolej Kediaman Petronas UUM. Membantu para pelajar yang bermasalah dalam subjek tertentu, 26 – 27 Januari 2005.</b></li> <li>3. <b>Penasihat “Foto Petro”, Kolej Kediaman Petronas UUM. Mencungkil bakat warga Kolej Petronas untuk menjadi wartawan Kolej, 29 Januari 2005.</b></li> </ol>	
----	--	--



- |  |  |  |
|--|--|--|
|  | <p>4. <b>Penasihat dan Fasilitator Ceramah Motivasi “Kecemerlangan Akademik Teras Kegemilangan Pelajar”, Kolej Kediaman Petronas UUM. Melahirkan para pelajar yang berjaya mencapai 3 pointer ke atas, 8 Julai 2005.</b></p> |  |
|--|--|--|