



## PERSONAL DETAILS

Name : NURRULHIDAYAH BINTI SALAMUN  
 Gender : FEMALE  
 Date of Birth/Age : 21<sup>ST</sup> DECEMBER 1988  
 Nationality : MALAYSIAN  
 Marital Status : MARRIED  
 Permanent Address : MA5, KOLEJ TUN DR. ISMAIL, UNIVERSITI TEKNOLOGI MALAYSIA  
 Correspondent Address : MA5, KOLEJ TUN DR. ISMAIL, UNIVERSITI TEKNOLOGI MALAYSIA  
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 E-mail : nurulhidayah@utm.my  
 Website : -  
 ID Staff : 15248  
 Expertise : Adsorption, Materials, Wastewater Treatment, Advanced Materials  
 H-Index (WOS) : 8  
 H-Index (SCOPUS) : 8  
 H-Index (G. Scholar) : 10  
 H-Index (Researchgate) : 9

## ACADEMIC QUALIFICATIONS

NO	LEVEL OF EDUCATION	COURSE	UNIVERSITY	STARTING DATE	ENDING DATE
1.	Ph.D	Chemistry	Universiti Teknologi Malaysia	2012	2016
2.	Master	Chemistry	Universiti Teknologi Malaysia	2010	2012
3.	Bachelor Degree	Industrial Chemistry	Universiti Teknologi Malaysia	2007	2010

## AWARD AND HONORS RECEIVED

Summary	
International Awards / Honors	-
National Awards / Honors	1
UTM Awards / Honors	2
Faculty Awards / Honors	3

NO	AWARD	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	YEAR
1.	4th Digitalised International Invention, Innovation & Design Johor 2021 (DIIIDJohor 2021)	National	2021
2.	Anugerah Sukarelawan & Kebajikan IPF 2020	University	2021
3.	Anugerah Penghargaan Jabatan 2020	Faculty	2020
4.	Anugerah Perkhidmatan Cemerlang 2020	Faculty	2020
5.	Anugerah Perkhidmatan Cemerlang 2019	Faculty	2019
6.	New Academia Learning Innovation 2020 (NaLI 2020)	University	2020

#### WORKING EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ORGANISATION
1.	Part Time Lectuer	February 2017	May 2017	Universiti Kuala Lumpur, MITEC
2.	Part Time Lectuer	October 2016	February 2017	UiTM Pasir Gudang

#### PROFESSIONAL MEMBERSHIP / QUALIFICATION / RECOGNITION

Summary	
International Professional Membership / Qualification / Recognition	-
National Professional Membership / Qualification / Recognition	2

NO	NAME OF PROFESSIONAL MEMBERSHIP	LEVEL (FACULTY /UTM /NATIONAL /INTERNATIONAL)	ROLE	YEAR
1.	Analisis	National	Member (Membership No: A639)	2021- present
2.	Persatuan STEM Kebangsaan	National	Member (membership No: NSA0331)	2020- present

#### ADMINISTRATIVE EXPERIENCE

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ FACULTY/ DIVISION
1.	Secretary	2020	present	Department of Chemistry

NO	POSITION	STARTING DATE	ENDING DATE	DEPARTMENT/ FACULTY/ DIVISION
2.	Timetable Coordinator	2020	present	Department of Chemistry

#### CONSULTATION WORKS

Summary	
Consultation Project - UTM	x projects (RM XX)
Consultation Project - Others	x projects (RM XX)

No.	Year	Title	Value	Vot
1.				
2.				

#### INTERNATIONAL / NATIONAL / UNIVERSITY COMMITTEE

Summary	
International Committee	-
National Committee	-
University Committee	-
Faculty Committee	2
Community Committee	-

#### International

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
	PLOS ONE Editorial Board	Editorial Board Member (Academic Editor)	2 September 2021	1 September 2024
1.				
2.				

#### National

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
	Allied Health Profession (AHP) for Medical Physicist, Ministry of Health	Steering Committee	13 April 2017	Present
1.				
2.				

**University**

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
	Taskforce for EnVision 2025, UTM Strategic Planning Committee.	Member	1 March 2020	1 March 2021
1.				
2.				

**Faculty**

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
1.	Panel Akademik	Secretary	2020	present
2.				

**Community**

NO	NAME OF COMMITTEE	ROLE	STARTING DATE	ENDING DATE
	PLOS ONE Editorial Board	Editorial Board Member (Academic Editor)	2 September 2021	1 September 2024
1.				
2.				

**SELECTED ACTIVITIES / WORKSHOPS / SEMINARS / COURSES**

NO	NAME OF ACTIVITIES	PLACE OF ACTIVITIES	STARTING DATE	ENDING DATE
	Scientific Writing Workshop	Universiti Teknologi Malaysia	5 August 2019	6 August 2019
1.				
2.				

**RESEARCH ACTIVITIES**

Summary	
Principal Investigator - International Grants	0 projects (RM0)
Principal Investigator - National Grants	2 projects (RM110,757)
Principal Investigator - UTM Grants	1 projects (RM20,000)
Member - International Grants	0 projects (RM0)
Member - National Grants	5 projects (RM261,140)
Member - UTM Grants	2 projects (RM150,000)

**As a principal investigator**

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1.	Mesoporous activated carbon derived from banana stem waste for removal of acidic and basic dyes.	Principal Investigator	UTM	RUG OF UTM	RM 20,000.00	01/08/2019	31/07/2022	17J13
2.	Hydrophobic functionalized cellulose derived from oil palm empty fruit bunch for removal studies of polychlorinated biphenyls	Principal Investigator	National	Fundamental Research Grant Scheme	RM90,757.00	01/09/2019	01/11/2022	5F234
3.	CRG 36.2: Solid Acid Titania For Glycerol Acetylation to Acetins	Principal Investigator	National	Collaborative Research Grant National	RM20,000.00	01/11/2019	30/04/2022	4B475

**As a scientific member**

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
1.	Fundamental study of the organic pollutant pesticides retention profile on a flow through graphene nanoplatelets mixed matrix membrane cell	Member	UTM	UTM-FR	RM90,000.00	01/01/2020	31/12/2023	20H74
2.	Effect of curcumin loaded carboxymethylcellulose hydrogel derived from oil palm empty fruit bunch in wound healing	Member	UTM	UTM-ER	RM60,000.00	01/11/2022	31/10/2024	31J29
3.	Investigation of Magnetic Resonance on Hybrid Liquid-Crystalline Nanocellulose Composite for	Member	National	Fundamental Research Grant Scheme	RM98,500.00	07/09/2021	06/09/2023	5F451

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
	Electro-optical Applications.							
4.	CRG 13.1: Photoconversion of Dibenzo thiophene Over KCC_1 Based Catalyst	Member	National	Collaborative Research Grant National	RM40,000.00	01/12/2018	31/05/2021	07G62
5.	CRG 36.3: Glycerol-Modified Titania For Formaldehyde Removal	Member	National	Collaborative Research Grant National	RM20,000.00	01/11/2019	31/10/2021	4B502
6.	Interaction of Electrosynthesized Magnetite Based Nanoparticles with Different Capping Agents for Enhanced Photocatalytic Degradation of Amoxicillin in Wastewater	Member	National	Fundamental Research Grant Scheme	RM92,000.00	01/01/2019	30/09/2021	5F301
7.	Potential Application of Resin Polymer Residue from SURFACTOR factory (Sub Project 3: Physical and Chemical Characterization of Resin Polymer Residue)	Member	National	Contract Research DTD - L.P. Pacific Films Sdn. Bhd.	RM10,640.00	01/09/2020	31/12/2021	4C406

#### COLLABORATION (MOU / MOA / LOA / LOC / LOI)

NO	NAME OF MOU / MOA / LOA / LOC / LOI	LEVEL OF MOU / MOA / LOA / LOC / LOI (NATIONAL / INTERNATIONAL)	STARTING DATE	ENDING DATE
	MoU between Atomic Energy Licensing Board (AELB) and Universiti Teknologi Malaysia (UTM)  On The Exchange of Technical Information and Cooperation in Nuclear and Radiation Safety, Security of Radioactive and Nuclear Materials and Safeguards of Nuclear Materials	National	13 February 2017	12 February 2022
1.	Mou Between Universiti Teknologi Malaysia (UTM) and Universiti Sains Malaysia (USM)	National	22/02/2022	21/02/2025

NO	NAME OF MOU / MOA / LOA / LOC / LOI	LEVEL OF MOU / MOA / LOA / LOC / LOI (NATIONAL / INTERNATIONAL)	STARTING DATE	ENDING DATE

#### TEACHING ACTIVITIES

Summary	
Total Credit Hours	60

#### UNDERGRADUATES

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
1.	202220231	1	SSCC1003	PRINSIP KIMIA	3	
2.	202120222	2	SSCC1413	TERMODINAMIK KIMIA	3	
3.	202120222	2	SSCC1413	TERMODINAMIK KIMIA	3	
4.	202220231	1	SSCC1413	TERMODINAMIK KIMIA	3	
5.	202120222	2	SSCC3493	KIMIA PERMUKAAN DAN KOLOID	3	
6.	202120222	2	SSCC3493	KIMIA PERMUKAAN DAN KOLOID	3	
7.	202120221	1	SSCC1014	PRINSIP KIMIA	3	
8.	202020212	2	SSCC3493	KIMIA PERMUKAAN DAN KOLOID	3	
9.	202020211	1	SSCC1014	PRINSIP KIMIA	4	
10.	201920202	2	SSCC1413	TERMODINAMIK KIMIA	3	
11.	201920201	1	SSCC1003	PRINSIP KIMIA	3	
12.	201820192	2	SSCC1413	TERMODINAMIK KIMIA	3	
13.	201820192	2	SSCC1413	TERMODINAMIK KIMIA	3	
14.	202020212	2	SSCC1841	AMALI KIMIA FIZIK 1	1	
15.	202020212	2	SSCC1841	AMALI KIMIA FIZIK 1	1	
16.	202020212	2	SSCC1841	AMALI KIMIA FIZIK 1	1	
17.	202020212	2	SSCC1841	AMALI KIMIA FIZIK 1	1	
18.	202020212	2	SSCC1841	AMALI KIMIA FIZIK 1	1	

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
19.	202020212	2	SSCC1841	AMALI KIMIA FIZIK 1	1	
20.	202120221	1	SSCC2841	AMALI KIMIA FIZIK II	1	
21.	202120221	1	SSCC2841	AMALI KIMIA FIZIK II	1	
22.	202120221	1	SSCC2841	AMALI KIMIA FIZIK II	1	
23.	202120221	1	SSCC2841	AMALI KIMIA FIZIK II	1	
24.	202120221	1	SSCC2841	AMALI KIMIA FIZIK II	1	
25.	202120221	1	SSCC2841	AMALI KIMIA FIZIK II	1	
26.	201920202	2	SSCC1821	AMALI KIMIA ORGANIK I	1	
27.	201920202	2	SSCC1841	AMALI KIMIA FIZIK 1	1	
28.	201920202	2	SSCC1841	AMALI KIMIA FIZIK 1	1	
29.	202020211	1	SSCC2841	AMALI KIMIA FIZIK II	1	
30.	202020211	1	SSCC2841	AMALI KIMIA FIZIK II	1	
Total credits					60	

#### POSTGRADUATES

NO	SEMESTER	SEM	SUBJECT CODE	SUBJECT	CREDIT HOUR	NO OF STUDENT
	2019/2020	2	SBEG1473	Prinsip-prinsip fotogrametri dan remote sensing	3	33
1.						
2.						
Total credits					00	

#### SUPERVISION

Summary	
Main Supervisor - PhD. (Graduated)	-
Co-Supervisor - PhD. (Graduated)	-
Main Supervisor - PhD. (Ongoing)	-
Co-Supervisor - PhD. (Ongoing)	1
Main Supervisor - Master by Research (Graduated)	-



Main Supervisor - Master by Research (On-Going)	1
Main Supervisor - Master by Taught Course (Graduated)	-
Main Supervisor - Master by Taught Course (On-Going)	-
Main Supervisor - Master by Mixed-Mode (Graduated)	1
Main Supervisor - Master by Mixed-Mode (On-Going)	1
Main Supervisor - Undergraduate (Graduated)	9
Main Supervisor - Undergraduate (On-Going)	3

#### **PhD. Student**

NO.	NAME	NO. MATRIC	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
	XX <a href="#">Register on 14 March 2022</a>				
1.	Nor Badariah Talib	PSC213025	On-going 2022 – present	Potassium Oxidepolymeric Nano Hybrid Catalyst For Biodiesel Production Of Waste Cooking Oil	Co-supervisot
2.					

#### **MSc. Student**

NO.	NAME	NO. MATRIC	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
	XX <a href="#">Register on 14 March 2022</a>				
1.	Norena Binti Salleh	MSC193019	On-going 2019 - present		Main supervisor
2.	Siti Hajar Md basir	MSC182041	Graduated 2019-2020		Main supervisor
3.	Mira Aqilah Tajuddin	MMB192009	On-going 2019-present	Electrospun Cellulose Acetate Layered with Alginate Loaded with Kaempferol for Chronic Diabetic Wound Dressing	Co-supervisor
4.	Syaza Aiman		On-going 2021- present		Main supervisor

#### **Undergraduate**

NO.	NAME	NO. MATRIC	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
1.	Nurul Izzati Kamaruddin		On-going 2019-present		Main supervisor

NO.	NAME	NO. MATRIC	STATUS (GRADUATED/ ON-GOING)	TITLE	ROLES OF SUPERVISION
2.	Alisha		On-going 2019-present		Main supervisor
3.	Zuliana		On-going 2019-present		Main supervisor
4.	Nor Allia Maha	A18SC0173	On-going 2018-present		Main supervisor
5.	Nur Azimah Binti Nor Azlan	A18SC0201	Graduated 2018-2022		Main supervisor
6.	Nurul Syafiqah Binti Bahari	A18SC0279	Graduated 2018-2022		Main supervisor
7.	Aida Azizah Binti Mohd Khairi	A18SC0004	Graduated 2018-2022		Main supervisor
8.	Amalia Karmila Binti Azman	A17SC0017	Graduated 2017-2021		Main supervisor
9.	Farah Noorjeha Binti Mohd Razali	A17SC0037	Graduated 2017-2021		Main supervisor
10.	Nur Intan Najiah Binti Ahmad Fazly	A17SC0152	Graduated 2017-2021		Main supervisor
11.	Ira Azreena Mohammed	A16SC0071	Graduated 2016-2020		Main supervisor
12.	Nur Shafiqah Md Yunan	A16SC0188	Graduated 2016-2020		Main supervisor

#### UTM POSTGRADUATE EXAMINATION / VIVA

Summary	
PhD. Internal Examiner	-
MSc. Internal Examiner	2
Fast Track Student Examiner	-
Others Examiner	1

#### PhD. Internal Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR
	Internal Examiner	XX	xxx	2019
1.				
2.				

#### MSc. Internal Examiner

NO	ROLE	STUDENTS NAME	TITLE	YEAR

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1.	Internal Examiner	Mohammad Alim Jafari	Phase Change Material Using Enhanced Palmitic Acid/Activated Carbon Composites For Thermal Energy Storage	2022
2.	Internal Examiner	Annisa Ulhusna	The Removal Of Lead From Aqueous Solution By Green Synthesis Of Adsorbents Modified By Ciku Leaf Extract	2020

#### **Fast Track Student Examiner**

NO	ROLE	STUDENTS NAME	TITLE	YEAR
	Internal Examiner	XX	xxx	2019
1.				
2.				

#### **Others Examiner**

NO	ROLE	STUDENTS NAME	TITLE	YEAR
	Internal Examiner	XX	xxx	2019
1.				
2.				

#### **EXTERNAL POSTGRADUATE EXAMINATION / VIVA**

Summary	
PhD. External Examiner	-
MSc. External Examiner	-
Fast Track Student Examiner	-
Others Examiner	1

#### **PhD. External Examiner**

NO	ROLE	STUDENTS NAME	TITLE	YEAR
	External Examiner	XX	xxx	2019
1.				
2.				

#### **MSc. External Examiner**

NO	ROLE	STUDENTS NAME	TITLE	YEAR
	External Examiner	XX	xxx	2019
1.				
2.				

#### **Fast Track Student Examiner**

NO	ROLE	STUDENTS NAME	TITLE	YEAR
	External Examiner	XX	xxx	2019
1.				
2.				

#### **Others Examiner**

NO	ROLE	STUDENTS NAME	TITLE	YEAR
1.	External Examiner	Mohd Khairul Hanif Bin Mohd Nazri	Synthesis of Fe/Cu Catalyst for Photocatalytic Diesel Removal	2022
2.				

### **PUBLICATIONS**

**Sila tambah mengikut kesesuaian.**

Summary	
ISI Article / Journal	
Scopus Article / Journal	
Non-Indexed Article / Journal	
Indexed Conference Proceedings	
Non-Indexed Conference Proceedings	
Book Chapters	
Original Book	
Classified / Technical / Expert Report	
Policy Paper	

No	Article Title	Journal Title	ISSN	Vol.	Issues	Page	Publication Year	IF	Type of Publication	Category of Publication	Quartile
	Radiation hazard assessment from NORM-added paint	Journal of King Saud University - Science	10183 647	34	3	1-8	2022	4.011	Journal	ISI	Q1

No	Article Title	Journal Title	ISSN	Vol.	Issues	Page	Publication Year	IF	Type of Publication	Category of Publication	Quartile
	<a href="#">products in Malaysia</a>										
1.	Chromium oxide silica catalyst: Synthesis and characterization	Materials Today-Proceedings	2214-7853				2022				
2.	Assessment on the Effect of Sulfuric Acid Concentration on Physicochemical Properties of Sulfated-Titania Catalyst and Glycerol Acetylation Performance	Catalysts	2073-4344				2021				
3.	Phosphate Adsorption from Aqueous Solution Using Electrospun Cellulose Acetate Nanofiber Membrane Modified with Graphene Oxide/Sodium Dodecyl Sulphate	Membranes	2077-0375				2021				
4.	Antimicrobial disinfectants and sanitizers: An effective tool for breaking the circle of pandemic disease	Asian Journal of Agriculture And Biology	2307-8553				2020				
5.	Glycerol in food, cosmetics and pharmaceutical industries: basics and new applications	Int. J. Sci. Technol. Res					2019				
6.	Zirconium-Loaded Mesoporous Silica Nanoparticles Adsorbent for Removal of Hexavalent Chromium from Aqueous Solution	Industrial & Engineering Chemistry Research	0888-5885				2019				
7.	New direct consecutive formation of spinel phase in (Fe, Co,	Journal of Alloys And Compounds	0925-8388				2017				

No	Article Title	Journal Title	ISSN	Vol.	Issues	Page	Publication Year	IF	Type of Publication	Category of Publication	Quartile
	Ni)Al <sub>2</sub> O <sub>4</sub> composites for enhanced Pd(II) ions removal										
8.	n-Heptane isomerization over molybdenum supported on bicontinuous concentric lamellar silica KCC-1: Influence of phosphorus and optimization using response surface methodology (RSM)	Chemical Engineering Journal	1385-8947				2017				
9.	Surface modification of banana stem fibers via radiation induced grafting of poly(methacrylic acid) as an effective cation exchanger for Hg(II)	RSC Advances	2046-2069				2016				
10.	Utilization of a cost effective Lapindo mud catalyst derived from eruption waste for transesterification of waste oils	Energy Conversion And Management	0196-8904				2016				
11.	Synergistic interactions of Cu and N on surface altered amorphous TiO <sub>2</sub> nanoparticles for enhanced photocatalytic oxidative desulfurization of dibenzothiophene	RSC Advances	2046-2069				2016				
12.	CO <sub>2</sub> reforming of CH <sub>4</sub> over Ni-Co/MSN for syngas production: Role of Co as a binder and optimization using RSM	Chemical Engineering Journal	1385-8947				2016				

No	Article Title	Journal Title	ISSN	Vol.	Issues	Page	Publication Year	IF	Type of Publication	Category of Publication	Quartile
13.	Zirconium Loaded Banana Stem Fibers As Adsorbent For Recovery Of Hg (Ii)	Jurnal Teknologi					2016				
14.	Acid-vacuo heat treated low cost banana stems fiber for efficient biosorption of Hg(II)	RSC Advances	2046-2069				2015				
15.	Sequential desilication-isomorphous substitution route to prepare mesostructured silica nanoparticles loaded with ZnO and their photocatalytic activity	Applied Catalysis A-General	0926-860X				2013				
16.	Synthesis and characterization of Fe <sub>3</sub> O <sub>4</sub> nanoparticles by electrodeposition and reduction methods	Malaysian Journal of Fundamental and Applied Sciences					2011				

NO.	TYPE a. INDEXED PROCEEDINGS / CONFERENCE b. NON- INDEXED PROCEEDINGS / CONFERENCE c. SEMINARS / WORKSHOPS d. THESIS e. ORIGINAL BOOK f. EDITED BOOK g. BOOK CHAPTER h. CLASSIFIED / TECHNICAL / EXPERT REPORT i. POLICY PAPER	TITLE	YEAR	AUTHOR
1.	Book Chapter – Microbial Surfactant	Challenges and Potential Applications of Plant and Microbial-Based Biosurfactant in Cosmetic Formulations	2021	Nur Izyan Wan Azelee, Nor Hasmaliana Abdul Manas, Rohaida Che Man, Mohd Akmali Mokhter, Nurulhidayah

NO.	TYPE a. INDEXED PROCEEDINGS / CONFERENCE b. NON- INDEXED PROCEEDINGS / CONFERENCE c. SEMINARS / WORKSHOPS d. THESIS e. ORIGINAL BOOK f. EDITED BOOK g. BOOK CHAPTER h. CLASSIFIED / TECHNICAL / EXPERT REPORT i. POLICY PAPER	TITLE	YEAR	AUTHOR
				Salamun, Shalyda Md Shaarani, Fuad Mohamad, Zehra Edis
2.				

#### PLENARY / CHAIRPERSON/ORAL POSTER PRESENTER / KEYNOTE ADDRESS / INVITED GUEST SPEAKER

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION
1.	Chairperson	7th International Symposium on Applied Engineering & Sciences (SAES 2019)	11-12 December 2019	UPM
2.	Oral Presenter	7th International Symposium on Applied Engineering & Sciences (SAES 2019)	11-12 December 2019	UPM

#### PROFESSIONAL SERVICES

##### Consultation and Training

NO	ROLE	TITLE OF PROGRAMME	DATE	LOCATION	TOTAL INCOME GENERATED (RM)
1.	Member	Lab Modules For Senior High School: General Chemistry 1 And 2	25/6/2019- 12/07/2019	High School In Philippines	RM1300.00
2.	Member	Karnival Kimia Johor	14/9/2019	High School In Johor	RM2000.00

##### Entrepreneurship



NO	SPIN OFF COMPANY (UTM)	TOTAL INCOME GENERATED (RM) (individual equity value based on audited company account in 3 years)
	XX	XX
1.		
2.		

NO	1.HICOE management/agency 2. Board of Director or 3. Management for Corporation Entity	Average acquisition in 3 years
	XX	XX
1.		
2.		

#### Community Project

NO	ROLE	NAME OF PROJECT	DATE	TOTAL VALUE OF PROJECT (RM)
	XX	XX	XX	RM 0.00
1.				
2.				

#### Community and University Services

NO	ROLE	TITLE OF PROGRAMME	DATE	LEVEL	LOCATION
	XX	XX	XX	XX	XX
1.					
2.					

#### Endowment and Wakaf to University

NO	NAME OF ENDOWMENT AND WAKAF	TOTAL CONTRIBUTION (RM)
1.	Bidaan Nombor Pendaftaran UTM	RM400.00
2.		

#### Commercialisation

NO	ROLE	NAME OF PRODUCT COMMERCIALISATION	DATE	TOTAL INCOME GENERATED (RM)
	xx	xx	xx	RM 0.00
1.				
2.				

#### **Grant based on innovation and University Commercialisation Product**

NO	NAME OF GRANT	ROLE	CATEGORY OF GRANT (UTM/ OTHERS)	TYPE OF GRANT	AMOUNT (RM)	STARTING DATE	ENDING DATE	VOTE NO
	xx	xx	xx	xx	RM 0.00	xx	xx	xx
1.								
2.								

#### **Patent Granted and Filing**

NO	NAME OF PATENT	STATUS OF PATENT	ROLE
	Malaysia Patent entitled: Bioparticle for Wastewater Treatment, MY-158353-A	Patent Granted: 30 Sept 2016; Duration of Patent: 21 October 2009 - 21 October 2029) Filing date: 21 October 2009	Co-Inventor
	Magentized Biogranules For Textile Wastewater Treatment	Patent Filed: IP/PT/2019/0631	Inventor
1.			
2.			

#### **Copyright**

NO	NAME OF COPYRIGHT	STATUS OF COPYRIGHT	ROLE
	Preparation Of Stable Colloidal Graphene Suspension	Copyright Filed: IP/CR/2019/0755	Inventor
1.			
2.			

#### **REFEREES**

Assoc. Prof. ChM. Dr. Norazah Basar  
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Faculty of Science  
Universiti Teknologi Malaysia

Professor Dr. Aishah Abdul Jalil  
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Institute of Future Energy

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