



**CURRICULUM VITAE**



**I. PERSONAL PARTICULARS**

<b>Name</b>	ABQARI LUTHFI ALBERT BIN ABDULLAH
<b>Date/Place of Birth</b>	25 FEBRUARY 1973/SERIAN, SARAWAK
<b>Nationality</b>	MALAYSIAN
<b>Marital Status</b>	MARRIED
<b>Current Position Faculty / Department</b>	LECTURER (DS 52) PUSAT ASASI PERTAHANAN / PHYSICS DEPARTMENT

**II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS**

Year	Degree	Discipline	University
2005 – 2006	Master of Science	Applied Physics	Universiti Kebangsaan Malaysia
1993 – 1999	Bachelor of Science	Physics	University of Malaya
1991 – 1993	-	-	Pusat Asasi Sains, University of Malaya

**III. TITLES OF POSTGRADUATE THESES WRITTEN**

No.	Titles of Postgraduate Theses
1	Pencirian Fasa Hablur Cecair Baru Daripada Surfaktan Berasaskan Asid Amino

#### IV. WORK EXPERIENCE

Year	Position	Field of Work	Place of Work
Jan 2012 – Present	Senior Lecturer		Department of Physics, Centre for Foundation Studies in Defence, Universiti Pertahanan Nasional Malaysia.
Jun 2008 – Dec 2011	Lecturer		Department of Physics, Centre for Foundation Studies in Defence, Universiti Pertahanan Nasional Malaysia.
Jul 2007 – Jun 2008	Lecturer		PTPL (Shah Alam) College, Shah Alam, Selangor.
Jul 2006 – Jun 2007	Lecturer		Kolej Teknologi Timur, Bandar Baru Salak Tinggi, Sepang, Selangor.
Jul 2005 – Jun 2006	Tutor (part time)		Centre for Foundation Studies in Science, University of Malaya (pursuing Master's degree at the same time).
Feb 2000 – Jul 2005	Tutor		PTPL (Shah Alam) College, Shah Alam, Selangor.
Jun 1999 – Jan 2000	Tutor (part time)		Centre for Foundation Studies in Science, University of Malaya.

#### 1.0 TEACHING AND SUPERVISION

##### 1.1 Teaching (Foundation/Diploma/Undergraduate Courses)

No	Course Title	No. of Group	No. of Contact Hour	No. of Student	Semester	Year
1	FMA 0113 Mathematics 1	2	8	112	I	2008/09
2	FMA 0223 Mathematics 2	2	8	112	II	2008/09
3	FPA 0113 Physics 1 FPA 0121 Physics Lab. 1	2 1		58 28	I	2009/10
4	FPA 0252 Intro. to Applied Mechanics FPA 0241 Physics Lab. 2	2 2	10	56 56	II	2009/10
5	FPA 0314 Physics 1	2	8	54	I	2010/11
6	FPA 0362 Basics Physics in Medicine 1	2	6	51	II	2010/11
7	FPA 0252 Intro. to Applied Mechanics	1	8	28	III	2010/11
8	FPA 0314 Physics 1	2	8	62	I	2011/12
9	FPA 0362 Basics Physics in Medicine 1	2	6	64	II	2011/12
10	FPA 0334 Physics II FPA 0252 Intro. to Applied Mechanics	1 1	7	62	III	2011/12
11	FPY 0316 Physics I	4	12	119	I	2012/13
12	FPY 0326 Physics II	2	12	53	II	2012/13
13	FPY 0316 Physics I	3	12	64	I	2013/14
14	FPY 0326 Physics II	3	12	64	II	2013/14
15	FPY 0316 Physics I	2	12	64	I	2014/15
16	FPY 0326 Physics II	1	6	31	II	2014/15
17	FMA 1113 Asas Matematik	2	6	68	I	2016/17
18	FPY 0316 Physics I	1	6	21	I	2018/19

19	FPY 0326 Physics II	1	6	21	II	2018/19
20	FPY 0316 Physics I	1	6	18	I	2019/20
21	FPY 0326 Physics II	2	12	39	II	2019/20
22	FPY 0316 Physics I	2	12		I	2020/21
23	FPY 0326 Physics II	2	12		II	2020/21
24	FPY 0316 Physics I	2	12	23	I	2021/22
25	FPY 0326 Physics II	2	12	23	II	2021/22

## 1.2 Supervision ((M.Sc/Ph.D Internal/External)

No	Name of Student	Project Title	Year	Status
				<ul style="list-style-type: none"> <li>• Completed</li> <li>• Submitted</li> <li>• In Progress</li> </ul>

## 1.3 Supervision (Undergraduate)

No	Name of Student	Project Title	Year	Status
				<ul style="list-style-type: none"> <li>• Completed</li> <li>• Submitted</li> <li>• In Progress</li> </ul>
1	Noor Baharuddin bin Muhamad	Robotic Arm	2009/10	Completed
2	Muhd Haziq Abd Jalal	Effect of shape angles of metal deflector plate subjected to blast loading	2009/10	Completed

## 2.0 RESEARCH AND PUBLICATION

### 2.1 Research Projects

No	Title	List of Researchers	Grant Year	Source Amount	Status
		<ul style="list-style-type: none"> <li>• Principal</li> <li>• Members</li> </ul>			<ul style="list-style-type: none"> <li>• Completed</li> <li>• In Progress</li> </ul>
1	The role of heteroatom doping on the electronic conductivity, ionic conductivity and structural stability of carbon-coated LiFePO <sub>4</sub> . A computational Study	Dr. Fadhlul Wafi bin Badrudin (PI) Lt Kol Prof. Ts. Dr. Muhd Zu Azhan bin Yahya Mohamad Fariz bin Mohamad Taib Muhamad Kamil bin Yaakob <b>Abqari Luthfi Albert bin Abdullah</b>	2021	GPJP, UPNM RM20 000	In Progress

No	Title	List of Researchers	Grant Year	Source Amount	Status
		<ul style="list-style-type: none"> <li>• Principal</li> <li>• Members</li> </ul>			<ul style="list-style-type: none"> <li>• Completed</li> <li>• In Progress</li> </ul>
2	Influence of Active Material, Binders and Conductive Additive Electrochemical Properties of a Graphene/Metal Oxide Composite Electrode for Supercapacitor Applications	<b>Abqari Luthfi Albert bin Abdullah (PI)</b> Mejar Prof. Ts. Dr. Muhd Zu Azhan bin Yahya Prof Madya Dr. Muhammad Azmi bin Abdul Hamid Dr. Fadhlul Wafi bin Badrudin	2020	GPJP, UPNM RM20 000	In Progress
3	The Perturbation of Backscattered Fast Neutron Flux Cause by the Resonance in the Cross Section of C, N and O for Possible Use in Explosive Detection	<b>Abqari Luthfi Albert bin Abdullah (PI)</b> Prof. Dr. Norddin bin Ibrahim Dr. Noriza binti Ahmad Zabidi Dr. Norhana binti Abdul Halim Dr. Siti Zulaikha binti Ngah Demon	2012	RAGS, KPT RM29 850	Completed
4	Development of Composite Electrolytes for Rechargeable Metal-Air Cells	Prof. Dr. Muhd Zu Azhan bin Yahya (PI) <b>Abqari Luthfi Albert bin Abdullah</b> Nurazlin binti Ahmad Zuraida binti Amat Dr. Ab Malik Marwan Ali	2012	ERGS, KPT RM89 000	Completed
5	A Study of Blast-Wave Propagation from Free Field and Underground High Explosive (HE) Detonation	<b>Abqari Luthfi Albert bin Abdullah (PI)</b> Prof. Madya Lt. Kol. Ir. Dr. Norazman Mohamad Noor Dr. Risby Mohd Sohaimi Ir. Mohammad Alias Yusof Abdul Rahim Mat Sarip Lt. Kol. Ariffin Ismail Wan Yusmawati binti Wan Yusoff	2009	FRGS, KPT RM48 500	Completed

## 2.2 Publications

### 2.2.1 Invited/Keynote Papers/Presentation

No	Authors, year, title, publisher/journal/conference, volume and number of pages	Level • International • National • University
1	<b>Abqari Luthfi Albert</b> , Shahidan Radiman, Wee Siong Chiu & Mohamad Faizal Yusman Mohd Hanappi, <i>Effect of synthesis temperature on the morphological structures of graphene-ZnO microsphere composites prepared by solvothermal method</i> , 8 <sup>th</sup> International Conference On Solid State Science & Technology 2021 (ICSSST2021), Perlis, Malaysia, 01–03 November 2021	International
2	<b>Abqari Luthfi Albert</b> , Shahidan Radiman, Wee Siong Chiu, Muhammad Azmi Abdul Hamid & Mohammad Faizal Yusman Mohd Hanappi, <i>Morphological and Electrochemical Properties of Single-layer Graphene Decorated with ZnO Hollow Spheres for Supercapacitor Applications</i> , International Conference on X-Rays and Related Techniques in Research and Industry 2021 (ICXRI2021), Kuala Lumpur, Malaysia, 18–19 August 2021	International
3	S. Umar, M. S. Risby, <b>A. Luthfi Albert</b> , M. Norazman, I. Ariffin & Y. Muhamad Alias, <i>Numerical simulation of the fluid-structure interaction between air blasts wave and soil structure</i> , 4th International Meeting on Frontiers of Physics (IMFP2013), Genting Highlands, Pahang, Malaysia, 27 - 30 August 2013	International
4	<b>A. L. Albert</b> and S. Radiman, <i>Characterization of Lamellar Phase from Amino Acid Based Surfactant N-Acyl Glutamate</i> , 3 <sup>rd</sup> International Conference on Functional Materials and Devices 2010 (ICFMD-2010), Kuala Terengganu, Malaysia, 14–17 June, 2010.	International

### 2.2.2 Book/Chapter in Book:

No	Authors, year, title, publisher/journal/conference, volume and number of pages	Level • International • National • University
1	Fadhlina Che Ros, Wan Yusmawati Wan Yusoff, Siti Zulaikha Ngah Demon, Nor Azlian Abdul Manaf, Azuraida Amat, Nurul Hazwani Aminuddin Rosli, Noor Fadhilah Rahmat, Fadhlul Wafi Badrudin, Shahrul Izwan Ahmad, Norhana Abdul Halim, Fauziah Abdul Aziz, Muhd Zu Azhan Yahya, Nurazlin Ahmad, <b>Abqari Luthfi Albert Abdullah</b> , Noriza Ahmad Zabidi, Nurshahidah Osman, 2021. <i>Physics II for Defence Foundation Studies, UPNM</i> . Seventh Edition.	University
2	<b>Abqari Luthfi Albert Abdullah</b> , Azuraida Amat, Fadhlina Che Ros, Fadhlul Wafi Badrudin, Fauziah Abdul Aziz, Muhd Zu Azhan Yahya, Nor Azlian Abdul Manaf, Norhana Abdul Halim, Noriza Ahmad Zabidi, Noor Fadhilah Rahmat, Nurazlin Ahmad,	University

	Nurshahidah Osman, Nurul Hazwani Aminuddin Rosli, Shahrul Izwan Ahmad, Siti Zulaikha Ngah Demon, Wan Yusmawati Wan Yusoff, 2021. <i>Physics I for Defence Foundation Studies</i> . Ninth Edition.	
3	Tengku Mohd bin Tengku Sembok, Daruis bin Lidin, Wan Hashim bin Wan Teh, Norashikin binti Sahol Hamid, Shohaimi bin Abdullah, Arniyanti binti Ahmad, Asniah binti Alias, <b>Abqari Luthfi Albert bin Abdullah</b> , Norzunairah binti Mohamed Nor, Ahmad Rifad bin Abdul Rashid, 2010. <i>UPNM Melahirkan Pemimpin</i> . Pusat Penerbitan UPNM. (ISBN-978-967-5985-06-5)	National

### 2.2.3 Journal Article

No	Authors, year, title, publisher/journal/conference, volume and number of pages	Level <ul style="list-style-type: none"> <li>• International</li> <li>• National</li> <li>• University</li> </ul>
1	<b>Abqari Luthfi Albert</b> , Shahidan Radiman, Muhammad Azmi Abdul Hamid & Mohammad Faizal Yusman Mohd Hanappi, (2022). <i>Physical and Electrochemical Properties of Graphene Decorated with ZnO Hollow Spheres for Supercapacitor Applications</i> , Key Engineering Materials <b>908</b> , 284–292 ( <b>Scopus</b> ).	International
2	Shahrul Izwan Ahmad, Fadhlul Wafi Badrudin, <b>Abqari Luthfi Albert Abdullah</b> , Muhd Zu Azhan Yahya, Mohamad Fariz Mohamad Taib, Oskar Hasdinor Hassan, <i>Evaluation of Olivine LiFePO<sub>4</sub> Polyanionic Cathode Material Using Density Functional Theory</i> , Key Engineering Materials <b>908</b> , 293–298 ( <b>Scopus</b> ).	International

### 2.2.4 Proceedings Articles:

No	Authors, year, title, publisher/journal/conference, volume and number of pages	Level <ul style="list-style-type: none"> <li>• International</li> <li>• National</li> <li>• University</li> </ul>
1	<b>Abqari Luthfi Albert</b> , Shahidan Radiman & Chiu Wee Siong, (2018). <i>Solvothermal preparation of single layer graphene decorated with ZnO microspheres</i> , AIP Conference Proceedings <b>1940</b> , 020004 ( <b>Scopus</b> ). (4 pages)	International
2	Ahmad Firdaus Zainal Abedin, Nooriddin Ibrahim, Noriza Ahmad Zabidi & <b>Abqari Luthfi Albert Abdullah</b> , (2015). <i>The perturbation of backscattered fast neutrons spectrum caused by the resonances of C, N and O for possible use in pyromaterial detection</i> , AIP Conference Proceeding <b>1659</b> , 03005 ( <b>Scopus</b> ). (5 pages)	International
3	S. Umar, M. S. Risby, <b>A. Luthfi Albert</b> , M. Norazman, I. Ariffin & Y. Muhamad Alias, (2014). <i>Numerical simulation of the fluid-structure interaction between air blasts wave and soil structure</i> , AIP Conference Proceeding <b>1588</b> , 293–301 ( <b>Scopus</b> ). (9 pages)	International

### 3.0 ACADEMIC RECOGNITION AND LEADERSHIP, CONSULTANCY, SERVICE TO THE UNIVERSITY AND SERVICE TO THE COMMUNITY

#### (a) Academic Recognition and Leadership

No	Academic Recognition	Year	Level	Awarding Body / Name of Institution
1	Reviewer (Manuscripts for the Solid State Phenomena) 7th ICSSST 2019	2020	International	7th International Conference on Solid State Science and Technology (7th ICSSST 2019)
2	Jury (E-poster Presentation) ICXRI2021	2021	International	International Conference on X-Rays and Related Techniques in Research and Industry 2021 (ICXRI2021)
3	Certified Content Creator Educator@Virtual Learning Environment (Educator@VLE) Program	2021	National	Department of Higher Education (JPT) Ministry of Higher Education (MOHE)
4	Anugerah Perkhidmatan Cemerlang	2010	University	UPNM
5	Assessor Kolokium Siswazah 1/2021 (Kluster Sains & Teknologi), Pusat Pengajian Siswazah, UPNM	2021	University	UPNM
6	Assessor Kolokium Siswazah 2012 (Kluster Sains dan Teknologi), Pusat Pengajian Siswazah, UPNM	2012	University	UPNM
7	Member Kumpulan Penyelidik dalam CBRN (Nuklear)	2009	University	UPNM
8	Ketua Juri SMSS Inter-Club Innovation Competition 2016	2016		Sekolah Menengah Sains Selangor (SMSS)

#### (b) Consultancy - Consultancy work that benefited to the University.

No.	Title	Year	Sponsor	Value	Duration

(c) Service to the University

No	Position/Membership	Committee	Duration
1	Head of Department	Pusat Asasi Pertahanan, UPNM	August 2010 – July 2012
2	Acting Head of Department	Pusat Asasi Pertahanan, UPNM	14 October 2013 – 13 January 2014
3	UPNM Representative	Bengkel Mengurus Perdanakan Program Diploma di Institusi Pengajian Tinggi organised by Jabatan Pengajian Tinggi, Kementerian Pengajian Tinggi (KPT).	25 – 27 Jun 2010
4	Penolong Pengerusi (II)	Jawatankuasa Pembangunan Program Baharu Sarjana Muda Sains Keselamatan Dalam Industri, Fakulti Sains dan Teknologi Pertahanan, UPNM	1 May 2022 – 1 June 2024
4	Member of Committee	Technical & Logistic Committee for 7th International Conference on Solid State Science and Technology (ICSSST2019)	11 – 13 November 2019
5	Member of Committee	Secretariat for National Conference on Higher Education and Nation Building: “Education is The First Line of Defence”	28 October 2009
6	Member of Committee	Jawatankuasa Program Baharu Ijazah Sarjana Muda Sains (Sains Pertahanan), Fakulti Sains dan Teknologi Pertahanan, UPNM	2014
7	Member of Committee	Jawatankuasa Penyediaan Kertas Kerja untuk Senat Bagi Program Asasi Pengajian Islam Pertahanan	2014
8	Member of Committee	Specification and Technical Evaluation Committee for quotation <i>UPNM(PB)03.02/01(2009)(39) – Membekal, Menghantar, Memasang dan Mengujilari Peralatan Makmal Fizik untuk Pusat Asasi Pertahanan, UPNM.</i>	2009
9	Member of Committee	Jawatankuasa Pendaftaran dan Pembelajaran Dalam Talian Program Asasi Sesi Akademik 2020/2021 (JK PPDT2020/2021) Peringkat Pusat Asasi Pertahanan	2020/2021
10	Facilitator	Program Pembangunan Kecemerlangan Pelajar Asasi Sesi Akademik 2019/2020	21 – 22 February 2020
11	PAP Representative	Towards the development of the UPNM Strategic Plan 2012-2015	11 – 13 January 2012



12	PAP Representative	Bengkel Pemurnian serta Penyediaan Buku Peraturan Akademik & Buku Panduan Akademik UPNM	06 – 08 July 2012
13	PAP Representative	Bengkel Semakan Kurikulum Bersama Kementerian Pengajian Tinggi (KPT) organised by Pejabat TNC (HEAA)	17 – 19 February 2011
14	PAP Representative	Bengkel Geran Penyelidikan FRGS dan Penubuhan Pusat Kecemerlangan Penyelidikan di IPT	2 December 2010
15	Coordinator	Bengkel Semakan Semula Kurikulum Program Asasi, Pusat Asasi Pertahanan, UPNM	8 – 10 July 2011
16	Coordinator	Sport and Recreation Program for PAP	2012
17	Member of Committee	Jawatankuasa Semakan Buku Peraturan Akademik Pusat Asasi Pertahanan	2020
18	Member of Committee	Jawatankuasa Semakan Kurikulum Program Asasi	2020
19	Member of Committee	Jawatankuasa Bengkel Penulisan Makalah Jurnal, Pusat Asasi Pertahanan,UPNM	16 Mei 2014
20	Member of Committee	Jawatankuasa Program Penerbitan Buku Panduan Akademik Pusat Asasi Pertahanan 2011/2012	2011
21	Member of Committee	Jawatankuasa Pelan Strategik & Hala Tuju PAP	24 – 26 December 2011
22	Academic Advisor	Sistem Penasihat Akademik, Pusat Asasi Pertahanan, UPNM	Since 2008

**(d) Service to the community**

No	Level of involvement	Activity	Organiser	Venue	Date/Year/Duration
1	Member (Membership No. 719)		Malaysian Solid State Science and Technology Society (MASS)		Since 2019
2	Member (Membership No. 0009)		Persatuan Pegawai Akademik UPNM (NADIMASA)		Since 2011
3	Member of Committee		PROTEM Committee for Persatuan Pegawai Akademik UPNM (NADIMASA)		2010
4	Member of Committee		Committee for Persatuan Penduduk Taman Seri Delima, Dengkil		Since 2009

