NABILAH BINTI KASIM

Physics Department,
Faculty of Science,
Universiti Teknologi Malaysia
81310 Skudai, Johor
k.nabilah@utm.my
018-4733650

PERSONAL DETAILS

Age	: 27 years old
Date of birth	: 11th September 1988
I/C No.	: 880911-02-5224
Gender	: Female
Religion	: Islam
Nationality	: Malaysian
Health	: Excellent
Marital Status	: Single
Interest	: Reading and sport

PERSONAL STRENGTH

Very excited to gain new knowledge and get new experiences, able to work hard in team, cooperatively, creatively, and innovatively, easier to adapt with new environment, very friendly and confident with myself. I am also motivated and professional person.

EDUCATION

2010-2014 : Doctor of Philosophy (Physics) Universiti Teknologi Malaysia, Skudai Johor.
CGPA 3.67

2007-2010 : Bachelor of Degree (Industrial Physics) Universiti Teknologi Malaysia, Skudai, Johor.
CGPA 3.53

2006-2007 : Studying in Negeri Sembilan Matriculation College in course of Physical Science
CGPA 3.50

2004-2005 : Sekolah Menengah Kebangsaan Yan,
Kedah. SPM: 3A 4B 3C

2001-2003 : Maahad At-Tarbiyah Al -Islamiyah, Beseri,
Perlis. PMR: 4A 4B 1C

1995-2000 : Sekolah Kebangsaan Langkasuka,
Kedah. UPSR: 2A 2B 1C

SKILLS

- Well-trained in General Laboratory Skills
- Have ability to operate measurement instruments such as Optical Spectrum Analyzer (OSA), Oscilloscope (OSC), and Optical power meter.
- Have ability to construct and troubleshoot a fiber laser system.
- Well-trained in setup fiber laser system by using doped fiber, pump laser diode, wavelength division multiplexer, output coupler, isolator, fiber Bragg gratings and saturable absorber.

Computer Software: Familiar using Microsoft Word, Power point, Excel, Origin, Microsoft Office Picture Manager and Octave.

LANGUAGES

Proficiency (0 = poor, 10 = excellent)

Language	Written	Spoken
Bahasa Malaysia	10	10
English	8	7

AREAS OF KNOWLEDGE

Marketing Principles, Management Principles, International Relationship, Organizational Behavior ,Optical Physics, Thermodynamics, Modern Physics, Basic and advanced Electronics, Nuclear Physics, Electromagnetism, Instrumentation & Measurement, Solid State, Quality Control, Intermediate Mathematics, Mathematical Physics, Statistics, Computer Interfacing, Quantum Mechanic, Fiber Optic Sensor, Laser Technology, Electronic Testing and Maintenance, Quality Control, and Industrial Electronics.

EXPERIENCES

-Research Assistant at Photonics Research Center, University of Malaya, 50603 Kuala Lumpur.
Duties: Working on research “2 micron fiber laser and nanowires”
Duration: June 2013 - June 2014.

- Research Assistant in Plasma Technology and Optical Diagnostic Lab at Advanced Photonics Science Institute, Universiti Teknologi Malaysia, 81310 Skudai, Johor.
Duration: April 2015 - July 2015.

-Conducted tuition classes for space students in UTM, Skudai.
Subject: Engineering Mathematics

-Conducted tuition classes for primary and secondary school's student
Position: Tutor
Duration: Jan 2015 – May 2015
Subject: Mathematics, Science, and Physics

PUBLICATIONS

JOURNALS

1. **N. Kasim**, A. H. H. Al-Masoodi, F. Ahmad, Y. Munajat, H. Ahmad, and S. W. Harun (2014), "Q-switched ytterbium doped fiber laser using multi-walled carbon nanotubes saturable absorber", Chinese Optics Letters, vol. 12, no. 3, pp. 031403(4).

2. **N. Kasim**, C. L. Anyi, H. Haris, F. Ahmad, N. M. Ali, H. Ahmad, Y. Munajat and S. W. Harun (2014), "Q-switched erbium-doped fiber laser using multi-layer graphene based saturable absorber", Journal of Nonlinear Optical Physics & Materials, vol. 23, no. 1, pp. 1450009(8).

3. A. H. H. Al-Masoodi, M. F. Ismail, F. Ahmad, **N. Kasim**, Yusof Munajat, H. Ahmad, and Sulaiman Wadi Harun (2014), Q-Switched Yb-Doped Fiber Laser Operating At 1073 Nm Using A Carbon Nanotubes Saturable Absorber", Microwave And Optical Technology Letters, vol. 56, no. 8, pp. 1770-1773.

4. Z. Jusoh, **N. Kasim**, Y. Munajat, H. Ahmad, S. W. Harun, A. Halder, M. C. Paul, M.Pal, S. K. Bhadra (2014), "New octagonal shape double-clad Thulium-Ytterbium Co-doped fiber for generation of multi-wavelength and Q-switched lasers in 2 micron region", Journals Of Optoelectronics And Advanced Materials, vol. 16, no. 7-8, pp. 776 – 781.

5. **Nabilah Kasim**, Yusof Munajat, Saktioto, Nor Farhah Razak (2013), "Simulation of Ytterbium Doped Double Clad Fiber Laser Output Power by Using Liekki Application Designer Software", Jurnal Teknologi (Sciences & Engineering) vol. 62, no. 3, pp. 99–102.

CONFERENCES

1. **Nabilah Kasim**, Yusof Munajat, H. Ahmad and Sulaiman Wadi Harun, "Thulium Ytterbium Fiber Laser Operating at 1866.4 nm region", 4th ICOWOBAS-RAFSS 2013, Johor Bahru, Malaysia, 3-5 September 2013.

INVOLVEMENT

Club/ Organization Involvement:

Universiti Teknologi Malaysia:
- Postgraduate Student Society Faculty of Science (Social Committee), 2011/2012.
- Latex Workshop – 10 & 11 October 2011- Organizing Committee
- Club of Debaters D'pikir, (Committee).

Matriculation:
- Club of Marching

Sekolah Menengah Kebangsaan Yan (Upper secondary)
- School's prefect, (Committee)
- Kadet Trafik Sekolah, (Vice President)
- Science and Mathematics Society, (Secretary)
- Club of Orator (Committee)

Maahad At-Tarbiyah Al-Islamiyah (Lower secondary)
- Puteri Islam Organization
- Science and Mathematics Society

Program's Involvement:

i) Program Latihan Khidmat Negara

University:
i) Participate in Malay's debate competition among colleges
ii) Participate in Malay's debate competition among courses in faculty

Secondary School:
i) Majlis Tadarus Al-Quran
ii) Kursus Kepimpinan Pengurusan Organisasi
iii) Kursus Kepimpinan Skuad Leader
iv) Cadet Traffic Carnival
v) Jambori Perdana Unit Beruniform
vi) Marching Competition (Runner up)
vii) Kuiz Sains Alam Semulajadi 2005
viii) Pertandingan Bahas Ala Parlimen (Bahasa Melayu) peringkat zon (winner)

REFERENCES

ASSOC. PROF. DR. YUSOF MUNAJAT

Department of Physics,
Faculty of Science,
Universiti Teknologi
Malaysia 81310 Johor Bahru.
Tel: 07-5534194
HP: 012-7207620
E-mail: dryusofmunajat@gmail.com

PROF. DR. SULAIMAN WADI HARUN

Department of Electrical
Engineering, University of
Malaya 50603 Kuala Lumpur.
Tel: 603-79674290
E-mail: swharun@um.edu.my