

DR. MADI ABDULLAH NASER

Address in Libya: Department of Petroleum Engineering of Faculty of Mining and Energy, Sebha University, Jamal Street, Sebha 18758, Libya..

Nationality: Libyan

Birth date: 31 March 1979

Marital Status: Married, No Children

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Language;

English Advanced

Arabic Native

Indonesian Advanced

PROFILE SUMMARY

- Almost three years of experience in Drilling Fluid Engineer (Mud Engineer). Include in the Fluid Systems Experience such as Water Base Mud and Oil Base Mud.
- Nearly four years of experience in assisting project manager for full-field simulation for field development plan, with two years of researcher experience in research group in the Energy and Mineral Resources Engineering Department Lab.
- Able to run the reservoir simulator such as Eclipse E100, Petrel, Mbal, and CMG Software. And Surface Facilities Design such as pipesim Software.
- During my degree and my work, I successfully combined my studies with work and other commitments showing myself to be self-motivated, organized and capable of working under pressure. I have a clear, logical mind with a practical approach to problem solving and a drive to see things through to completion. I enjoy working on my own initiative or in a team. In short, I am reliable, trustworthy, hardworking and eager to learn.
- Presently, I work as a Lecturer in the Department of Petroleum Engineering of Faculty of Engineering Sciences and Technology at Sebha University, Libya. Also, I am a main member in the research evaluation committee and chairman in the graduate program committee.
- Presently, I am a Director of Research and Scientific Consulting Office Faculty of Mining and Energy, Sebha University.
- Currently looking for suitable academic opportunities in universities or colleges of further education and work.

CAREER OBJECTIVE

I am keen to begin my career in Petroleum Engineering and I intend to establish myself as Petroleum Expert. Having excellent verbal and written communication skills and the ability to relate to a wide range of people I am capable of achieving personal objectives as demonstrated by successful completion of my degree and

commitment to leisure pursuits – where I have displayed ambition and goal orientated performance. I believe that my technical, functional and communication skills will enable me in facing the challenging career ahead.

PROFESSIONAL HONORS AND AWARDS

- ✚ University Scholarship to Pursue a PhD:
 1. Department of Petroleum Engineering of Faculty of Mining and Petroleum Engineering at Bandung Institute of Technology: 2011-2015.
 2. Department of Petroleum Engineering at Sejong University, Seoul, South Korea: 2013-2015.
- ✚ Qualified by graduating with honors and ranking 1st among engineering majors at Department of Petroleum Engineering of Faculty of Mining and Petroleum Engineering at Bandung Institute of Technology 2015.

PROFESSIONAL QUALIFICATIONS

1994-1997	High School of Sciences	Temenhent School	Sabha	Libya	Arabic
1997-2002	B. Sc of Petroleum Engineering	EL-Thady University	Siert	Libya	English and Arabic
2009-2011	M. Sc of Petroleum Engineering	Bandung Institute of Technology	Bandung	Indonesia	English and Indonesian
2011-2015	PhD Program of Petroleum Engineering	Bandung Institute of Technology	Bandung	Indonesia	English and Indonesian

SUMMARY OF QUALIFICATIONS

- **Higher education**

HIGH SCHOOL OF SCIENCES, SABHA, LIBYA.

1994 to 1997

Levels of high achievements successful enabling constructive basic knowledge to be incorporated at higher academic level has been applied.

- **Undergraduate Success**

EL-THADY UNIVERSITY, SIERT, LIBYA.

1997 to 2002

I have completed the graduation requirements and practical training programs, which qualifies me to obtain the Bachelor degree in technological engineering in the Department of Petroleum Engineering during the academic years 2001-2002.

The English Language was medium of instruction in the Petroleum Engineering Department.

Thesis: Evaluation some of reservoir rock properties using Geophysical well logs.

- **Post Graduate Success**

BANDUNG INSTITUTE OF TECHNOLOGY, BANDUNG, INDONESIA.

2009 to 2011

I finished my Master's Program at Department of Petroleum Engineering at Bandung Institute of Technology. My degree was awarded on 9 April 2011 graduation day. I completed the study program requirements and practical training programs for my thesis in T.A.C.PERTAMINA-BWP Meruap Pte.Ltd. Company in Jakarta from 29 October 2010 until 28 January 2011. My thesis was under the supervision of Dr. Asep Kurnia Permadi. My thesis research topic was about a full-field simulation study for field development plan.

Thesis: A comprehensive reservoir study For Meruap field plane development. Full-field simulation for field development plan. Using the reservoir simulator Eclipse E100.

- **Doctorate Success**

BANDUNG INSTITUTE OF TECHNOLOGY, BANDUNG, INDONESIA.

2011 to 2015

I finished my Doctoral Program at Department of Petroleum Engineering of Faculty of Mining and Petroleum Engineering at Bandung Institute of Technology. I completed the study program requirements and practical training programs for my doctorate research in Sejong University in Seoul, South Korea from March 2013 until November 2014. My degree was awarded on the recent 31 July 2015 graduation day with predicate of Cum Laude. I completed the study program requirements and dissertation under the supervision of Prof. Asep Kurnia Permadi., Prof. Wisup Bae, (A professor of petroleum engineering Sejong University, Seoul, South Korea)., Prof. Septoratro Siregar, (A professor of petroleum engineering Bandung Institute of Technology, Indonesia) and Prof. WonSun Ryoo, (A professor of chemical engineering Hongik University, Seoul, South Korea).

Dissertation: Effects of Saturation Pressure and Temperature on the Interfacial Properties of Quartz, Steam and Heavy-Oil Systems.

PROFESSIONAL TRAINING PROGRAM

2004-2006	Oil Engineering Training (National Oil Corporation – Libya). I have duly completed the program of training and efficiency promoting of graduates in scope of oil engineering application at National Oil Corporation-Libya, during the period as from 12.06.2004 up to 30.05.2006 with grade of very good. The program covered technical specialized training in scope of Mud Engineering. In addition to English language & Computer course.
2009	Oil and Gas Development Projects Course (TOTAL E&P Indonesia, TOTALProfesseurs Associes Paris, and Bandung Institute of Technology).
2009	Drilling Activities – Drilling Technics Course (TOTAL E&P Indonesia, TOTAL Professeurs Associes Paris, and Bandung Institute of Technology).
2010	Reservoir Simulation Course (TOTAL E&P Indonesia, IFP, and Bandung

	Institute of Technology).
2010	Oil and Gas Surface Facilities Course using HYSYS and OLGA (TOTAL E&P Indonesia, TOTAL Professeurs Associes Paris, IFP, and Bandung Institute of Technology).

PROFESSIONAL WORKING EXPERIENCE AND CURRENT POSITION

- **Drilling Fluid Engineer,** (Mud Engineer).

JOWEF OIL TECHNOLOGY COMPANY, TRIPOLI, LIBYA.

NOV 2006 TO MARCH 2009

Prior to drilling a well, I have been worked out according to the expected geology, in which products to be used, concentrations of those products, and fluid specifications at different depths are all predetermined. My job was the shift of over 24 hours a day. Typical, my work schedule was four weeks working and two weeks off. Fluid Systems Experience, such as Water Base Mud and Oil base mud.

- **Assistant Project Manager,** (Full-field simulation for field development plan).

BANDUNG INSTITUTE OF TECHNOLOGY, BANDUNG, INDONESIA.

SEP 2009 TO FEB 2013

I worked as an assistant project manager of Professor Asep Kurnia Permadi with the following responsibilities and duties of this position; handled a team of 8/more people and supervised their work; assisted the project manager and followed his suggestions; planned various projects before they start; responsible for analysing, evaluating project data, simulation, and writing a report; attended meetings with the project manager headed by the directors.

- **Assistant Lecturer.**

**BANDUNG INSTITUTE OF TECHNOLOGY, INDONESIA.
SEJONG UNIVERSITY, SOUTH KOREA.**

**APRIL 2011 TO FEB 2013
MARCH 2013 TO NOV 2014**

Teaching of Undergraduate and Post Graduate students, conducting and processing examinations. Students' Academic Advisor, registration committee. Participating in seminars. Finalizing my PhD research.

- **Researcher,** (A researcher in research group in Energy Lab).

SEJONG UNIVERSITY, SEOUL, SOUTH KOREA.

MARCH 2013 TO NOV 2014

I worked as part of Professor Wisup Bae research group in the Energy and Mineral Resources Engineering Department of Sejong University Lab as a researcher. Took part for short-term project in rock wettability changes studies using steam injection, cationic and anionic surfactant, and CO₂ EOR Pilot Project as well.

- **Lecturer,**

SEBHA UNIVERSITY, SEBHA, LIBYA.

SEP 2015 TO NOW

Teaching of undergraduate courses, conducting and processing examinations. Participating in departmental seminars and workshops. Delivering lectures to

students and using advanced teaching techniques to inspire and motivate them for higher level qualifications and then employment. Also involved in recruiting and interviewing potential new staff.

- **Committee Membership:**

SEBHA AND BENGHAZI UNIVERSITIES, LIBYA.

Nov 2015 to Now

- ✚ Main Member, Research Evaluation Committee at Benghazi University, Benghazi, Libya.
- ✚ Chairman, Graduate Program Committee at Sebah University, Sebha, Libya.

- **Director:**

SEBHA UNIVERSITY, LIBYA.

JAN 2017 to Now

Director of the Office of Research and Scientific Consultations, Faculty of Energy and Mining, University of Sabha.

PROFESSIONAL PUBLICATIONS AND PARTICIPATION

- **Writing and publishing A chapter 7 of Book;**

- ✚ **Formation Damage and Permeability Impairment Associated with Chemical and Thermal Treatments: Future Challenges in EOR Applications.**

The work has been published as Chapter 7 of the book entitled "The Contribution of Geosciences to Human Security" edited by Kyoto University and Bandung Institute of Technology and published in 2011 by Logos Verlag, Germany (ISBN 978-3-8325-3113-3).

- **Patent;**

- ✚ **A New Laboratory Equipment and Procedures to Generate Steam for Measuring Interfacial Properties: High Temperature and Pressure Optical Cell.**

The equipment and procedures of this patent has been designed and manufactured through collaborative work of Bandung Institute of Technology and Sejong University and has been submitted for patent to an authorized patent office in South Korea. The patent has been issued on 28 April 2015 (P15E136).

URL: <http://www.kipo.go.kr>.

- **International Journal;**

- ✚ **A Novel Experimental Method to Generate Steam within a Small Optical Cell for Measuring Interfacial Properties.**

This paper has been submitted on 04 September 2014 to the Arabian Journal of Science and Engineering (AJSE-D-14-02435R1), King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia, received on 16 November 2014 and accepted for publication on 13 April 2015.

URL: <http://ajse.kfupm.edu.sa/>. doi: 10.1007/s13369-015-1659-0.

✚ **Laboratory Investigation of the Effects of Saturation Steam Properties on Interfacial Tension of Heavy Oil and Steam System Using Pendant Drop Method**

This paper has been submitted on 12 April 2015 to Journal of Energy and Environment Research (EER-47447-163469-1-RV); Canadian Centre of Science and Education, and accepted for publication on 04 May 2015.

URL: www.ccsenet.org/eer. doi:10.5539/eer.v5n1p94.

• **International Conference;**

✚ **Steam-Induced Wettability Alteration through Contact Angle Measurement, a Case Study in X Field, Indonesia**

This paper (SPE-172909-MS) was presented at the SPE International Heavy Oil Conference and Exhibition held in Kuwait City, Kuwait, 8–10 December 2014.

URL: <https://www.onepetro.org/>. doi:10.2118/172909-MS.

✚ **A Comprehensive Investigation of WASP Application in Heavy Oil Using Response Surface Methodology**

This paper (SPE-172878-MS) was presented at the SPE International Heavy Oil Conference and Exhibition held in Kuwait City, Kuwait, 8–10 December 2014.

URL: <https://www.onepetro.org/>. doi:10.2118/172878-MS.

• **Korean National Domestic Conference;**

✚ **A Success Story in a Plan of Development Study: Increasing Recovery of Sandstone Reservoir by Water Injection in Indonesia (Poster)**

This poster was presented at the Spring Conference held in Sejong University in Seoul, South Korea, 2–4 May 2013.

URL: <http://www.ksmer.or.kr/>.

✚ **Steam-Induced Wettability Alteration through Contact Angle Measurement: a Case Study in Duri Field, Indonesia (Oral)**

This paper was presented at the Fall Conference held in Kangwon National University in Chuncheon, South Korea, 17-19 October 2013.

URL: <http://www.ksmer.or.kr/>.

✚ **Investigating the Effect of Saturated Temperature and Pressure on Interfacial Tension Using the Pendant Drop Method (Poster)**

This poster was presented at the Spring Conference of KIGAM held in Daejeon University, Daejeon, South Korea, 17-19 April 2014.

URL: <http://www.ksmer.or.kr/>.

✚ **Pendant Drop Method for the Determination and Visualization of Interfacial Tension of Heavy Oil/Steam Under Reservoir Condition (Oral)**

This paper was presented at the Joint Fall Conference of KSMER, KSRM, KSEG, MIRECO, and KNOC held in Phoenix Island Resort in Jeju Island, South Korea, 6–8 November 2014.

URL: <http://www.ksmer.or.kr/>.

- **Libyan National Domestic Conference;**
 - ✚ **A Laboratory Investigation of the Effects of Temperature, Hardness, Surfactants, and Alkaline on Oil Recovery from Carbonate Reservoirs Using Spontaneous Imbibition Tests (Oral)**
This paper was presented at the First Scientific Conference on Engineering and Environment, held in Tobruk University in Tobruk City, Libya, 25–27 September 2016.
- **Research;**
 - ✚ **A Laboratory Investigation of The Effects of Temperature, Aging Time With Sea Water on Oil Recovery From Carbonate and Sandstone Reservoirs Using Spontaneous Imbibition Tests, Sebha University, 2016.**
 - ✚ **Improved Oil Recovery by Spontaneous Imbibition of Gaberoun Water Into Carbonate and Sandstone Reservoir: Effects of "Temperature and Aging Time", Sebha University, 2017.**
 - ✚ **Improved oil recovery by spontaneous imbibition of gaberoun water into carbonate and sandstone reservoirs: effects of "temperature, ph, salinity, and aging time", Sebha University, 2017.**

PROFESSIONAL SKILLS

Software : Eclipse, Pipesim, CMG, Petrel, and Mbal Software.
 Programming : FORTRAN and Excel
 Operating System : Good knowledge of windows, Word, Excel, and Power point.
 Language : English (advanced)
 : Arabic (native)
 : Indonesian (advanced)
 Interest : Keeping fit - tennis, golf, gym, football.

 : I am interested in Reservoir Engineering, Surfactant, Steam Injection, Heavy-oil, Interfacial Properties, Drilling Fluid Engineering, and Drilling Techniques and activities, offshore technologies, as well as reservoir performance.

REFERENCES:

Prof. Wisup Bae

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 Sejong University, Seoul, South Korea
 E-mail address: wbae@sejong.ac.kr

Prof. Asep Kurnia Permadi

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 Bandung Institute of Technology, Indonesia
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Prof. WonSun Ryou

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 Hongik University, Seoul, South Korea
 E-mail address: wryoo@hongik.ac.kr

Prof. Septoratto Siregar

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