



# Ni'matuzzahroh

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## Personal Information

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## Employment

**1992-present**  
1992-present  
2007-present  
2003-2006  
2006-2011  
2010-2013  
2010-2015  
2013-2015  
2016-present

1. **Accepted as government employee**
2. Permanent Lecturer Staff, Faculty Of Science And Technology, UNAIR
3. As Associate Professor in Faculty Science and Technology
4. Koordinator Due Like Research Program in Faculty Science and Technology
5. Head of Biologi Study Programme
6. Member of Consideration Chamber in Faculty Science and Technology (Badan Pertimbangan Fakultas/ BPF)
7. Member of Quality Assurance Unit
8. Member of Senate in Universitas Airlangga
9. Secretary of Institute of education assessment and development (Lembaga Pengkajian dan Pengembangan Pendidikan UNAIR/ LP3)

## Education

**1986-1991** Universitas Airlangga (Bachelor)  
**1995-1998** Université d'Aix Marseille I (Doctoral)

**Public Service Experience**

- 2015 Training of nata de coco production at Village Pandansari, District Ngantang, Malang
- 2015 Training of nata de coco production at Dharma Wanita Kopertis VII Surabaya
- 2015 Training of fagocytosis culture production for high school teachers East Java
- 2014 Training of liquid organic fertilizer for agricultural farmers in District Sumberejo, Bojonegoro
- 2014 Training of liquid organic fertilizer for agricultural farmers in Sidoarjo.
- 2014 Training of nata de coco production in Griya Karya Sedati Permai, Sedati Gede Sidoarjo

**Organization**

- Present Indonesian Biology Association
- Indonesian Microbiology Association

**Research Interest**

- Potential microorganism exploration in enzymes and biosurfactan producing (Bacteria, yeast and mold)
- Bioremediation of environment polluted with organic waste (hydrocarbon, pesticide) and anorganic waste (metal) using microorganisms
- Bioconversion of organic waste become useful products (sugar, enzyme, alcohol, methane, and biosurfactan) using microorganisms
- Biosurfactan production from polar substrates (molase and carbohydrate) and non polar substrates (aliphatic hydrocarbon, aromatic and polyaromatic) using bacteria
- Hydrocarbon biodegradation (aliphatic,aromatic, and polyaromatic) using microorganisms (bacteria, yeast and mold)
- Applications of products based from microbe (biosurfactane and enzyme) for oil tank washing and oil sludge processing
- Hydrocarbon assimilation mechanisms of hydrocarbonoclastic

**Research Experience**

No.	Years	Title
1.	2016	PEMANFAATAN FORMULA BAKTERI <i>BIOCLEANOIL</i> UNTUK PEMBERSIHAN TANGKI DAN PENGOLAHAN LUMPUR MINYAK
2.	2015	Biodegradation Hydrocarbon Compound Oily Sludge by <i>Micrococcus</i> sp. L II 61
3.	2014	“Biocleanoil” Microbial-based Products for the Treatment of Industrial Oil

		Sludge 2 <sup>nd</sup> year
4.	2014	“Biocleanoil” Microbial-based Products for the Treatment of Industrial Oil Sludge 1 <sup>st</sup> year
5.	2014	Effect of Variation of Concentration Crude Enzyme Lipase <i>Micrococcus</i> sp. L II 61 and Biosurfactant <i>Acinetobacter</i> sp. P2 (1) in Solubility of Oil Sludge
6.	2011	Oil Sludge Industry Processing using Biosurfactants and Microbial Consortium
7.	2011	Exploration Proteolytic and Lipolytic bacteria from Slaughterhouse Waste

### Publication

- 2016 The Potency of *Micrococcus* sp LII61 Bacteria as Oil Sludge Cleaning Agent
- 2016 Production of Biosurfactant by *Arthrobacter* sp. P2 (1) in the Carbohydrate Containing Media
- 2016 Identification and Characterisation of Biosurfactant Producing from Bacteria *Arthrobacter* sp.P2(1)
- 2016 Anti microbial Activities and in Silico Analysis of Methoxy Amino Chalcone Derivatatives
- 2016 Oil Removal from Petroleum Sludge using Bacterial Culture with Molasses Substrate at Temperature Variation
- 2015 Effectiveness of *Piper crocatum* Ruiz and Pav. Callus Elicitation As Antimicrobial Agents
- 2015 Effectiveness in Enhancing Oil Recovery through Combination of Biosurfactant and Lipase Bacteria
- 2015 Effectiveness of *Piper crocatum* Ruiz and Pav.Callus Elicitation as Antimicrobial Agents
- 2015 Antagonistic Compatibility of *Streptomyces griseorubens*, *Gliocladium virens*, and *Trichoderma harzianum* Against *Fusarium oxysporum* Cause of Tomato Wilt Diseases
- 2015 Anticancer and Antimicrobe Activity of Methoxy Amino Chalcone Derivative