



Victor Purnomo


DATE OF BIRTH:
07/08/1992


CONTACT

Nationality: Indonesian

Gender: Male

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 <http://www.chalmers.se/en/staff/Pages/purnomo.aspx>

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WORK EXPERIENCE

16/05/2019 - CURRENT - Göteborg, Sweden

Doctoral student

Chalmers University of Technology

- Research work in Chemical-looping gasification of biomass as a part of EU Horizon 2020 CLARA project
- Teaching assistant in the master's degree course of Industrial Energy System

Space, Earth, and Environment | Professional, scientific and technical activities | purnomo@chalmers.se | <https://www.chalmers.se/en/Pages/default.aspx> | Kemigården 4, 41258, Göteborg, Sweden

15/02/2016 - 03/05/2019 - Gresik, Indonesia

Chemical engineering lecturer

Universitas Internasional Semen Indonesia

- Teaching and supervising undergraduate students
- Leading the Office of International Affairs from Dec 2019 - May 2020

Chemical Engineering | Education | <https://uisi.ac.id/> | Kompleks PT. Semen Indonesia (Persero) Tbk, Jl. Veteran, 61122, Gresik, Indonesia

17/08/2017 - 15/11/2017 - Taipei, Taiwan

Research assistant

Academia Sinica

Research works in photocatalytic water splitting

Institute of Chemistry | Professional, scientific and technical activities | <https://www.sinica.edu.tw/en> | 128 Academia Road, Section 2, Nangang, 11529, Taipei, Taiwan

11/09/2014 - 31/07/2015 - Taipei, Taiwan

Master's research student

Academia Sinica

Research works in fast torrefaction of biomass and pretreatment of biocoal

Institute of Chemistry | Education | <https://www.sinica.edu.tw/en> | 128 Academia Road, Section 2, Nangang, 11529, Taipei, Taiwan

EDUCATION AND TRAINING

16/05/2019 - CURRENT - Kemigården 4, Göteborg, Sweden

● Doctor of Philosophy (PhD)

Chalmers University of Technology

- Research work in chemical-looping gasification of biomass as a part of EU Horizon 2020 CLARA project
- Currently working on physical and chemical characterization of Fe- and Mn-based oxygen carriers
- Technical and data analysis experience with SEM, XRD, and light microscopy

Field(s) of study

- Energy and Environment

<https://www.chalmers.se/en/>

10/09/2014 - 25/06/2015 - No.43, Keelung Road, Section 4, Daan District, Taipei, Taiwan

● Master of Science (MS)

National Taiwan University of Science and Technology

- Research works with lab-scale fast torrefaction and pretreatment of biocoal
- Technical and data analysis experience with ¹H-NMR and GC
- Data analysis experience with XRD, BET, and SEM

Field(s) of study

- Chemical engineering

3.8 | Fast torrefaction of biomass to obtain valuable bioproducts | <https://www.ntust.edu.tw/home.php?Lang=en>

01/09/2013 - 24/08/2015 - Jalan Teknik Kimia, Keputih, Kecamatan Sukolilo, Surabaya, Indonesia

● Master of Engineering (M.Eng.)

Institut Teknologi Sepuluh Nopember

Thesis works were performed in Academia Sinica, Taipei, Taiwan through joint-degree program

Field(s) of study

- Chemical engineering

3.73 | <https://www.its.ac.id/>

30/08/2010 - 25/08/2014 - Jalan Teknik Kimia, Keputih, Kecamatan Sukolilo, Surabaya, Indonesia

● Bachelor of Engineering (B.Eng.)

Institut Teknologi Sepuluh Nopember

- Research works on bio-oil hydrocracking
- Data analysis experience with FT-IR, XRD, GC

Field(s) of study

- Chemical engineering

3.8 | Modification of Ni/Zn-HZSM-5 Catalyst for Biofuel Production from Cerbera manghas oil | <https://www.its.ac.id/>

LANGUAGE SKILLS

MOTHER TONGUE(S): Indonesian | Javanese

English

Listening
C1

Reading
C1

Spoken
production
C1

Spoken
interaction
C1

Writing
C1

Swedish

Listening
A2

Reading
B1

Spoken
production
A2

Spoken
interaction
A2

Writing
B1

Chinese

Listening
A1

Reading
A1

Spoken
production
A1

Spoken
interaction
A1

Writing
A1

DIGITAL SKILLS

Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Matlab | ProPI3

PROJECTS

16/05/2019 - CURRENT

EU Horizon 2020 CLARA

<https://clara-h2020.eu/>

CLARA stands for Chemical-looping gasification for sustainable production of biofuels. The aim of CLARA is to develop a concept for the production of biofuels based on chemical looping gasification of biogenic residues. The project involves 15 partners from various European countries.

PUBLICATIONS

- **A comparative study of the utilization of synthetic foaming agent and aluminum powder as pore-former**
2019 <https://www.degruyter.com/view/journals/chem/17/1/article-p629.xml>
- **The Effect of Pb Immobilization on Fly Ash Geopolymer Microstructure and Compressive Strength**
2019 https://www.researchgate.net/profile/Victor_Purnomo/publication/332291892_The_Effect_of_Pb_Immobilization_on_Fly_Ash_Geopolymer_Microstructure_and_Compressive_Strength/links/5cac6df3a6fdccf47828ca56/The-Effect-of-Pb-Immobilization-on-Fly-Ash-Geopolymer-Microstructure-and-Compressive-Strength.pdf

CONFERENCES AND SEMINARS

- **08/09/2015 - 11/09/2015** - Surakarta, Indonesia
- **10th Joint Conference on Chemistry**
Presenting research proceeding of Torrefaction of biomass in molten salts to obtain useful bioproducts as renewable chemical resources
https://www.researchgate.net/profile/Victor_Purnomo/publication/326415136_Torrefaction_of_biomass_in_molten_salts_to_obtain_useful_bioproducts_as_renewable_chemical_resources/links/5b4c4ea0a6fdccadaecf5274/Torrefaction-of-biomass-in-molten-salts-to-obtain-useful-bioproducts-as-renewable-chemical-resources.pdf

ORGANISATIONAL SKILLS

- **Coordinator of Indonesian Student Association in Gothenburg**
The position is held for one year starting from February 2020

HOBBIES AND INTERESTS

- **Traveling**
- **Photography**