

Christyowati Primi SAGITA

Date of birth : December 9th, 1994
 Nationality : Indonesian
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❖ Education

Master Student in Pukyong National University, South Korea from 2018 to 2020

Major : Industrial Chemistry
 Thesis Title : Synthesis of Quinoxaline-based Conjugated Polymers with Strong Electron-withdrawing Cyano Group for Photovoltaic Application
 Supervisor : Prof. Dong Wook Chang, PhD

Bachelor Student in Diponegoro University, Indonesia from 2013 to 2017

Major : Chemical Engineering
 Thesis Title : Preliminary Design of Ammonia Plant by The KBR Process from Natural Gas with a Production Capacity of 400,000 tons/years
 Supervisor : Prof. Dr. Ir. Purwanto, DEA

❖ Research Interest

Having great research interest in synthesizing and characterizing novel or advanced materials, specifically polymer materials for diverse applications.

❖ Research Experiences

Researcher in Ma Chung Research Center for Photosynthetic Pigments, Universitas Ma Chung, Indonesia from 2020 to 2021

Topics : Preparation of modified Carbon Nitride, extract of *Caesalpinia sappan* L. and C-nitrophenylcalix[4]pyrogallolarene
 Supervisor : Dr.Eng. Leny Yuliaty, S.Si., M.Eng.

Research Student in Pukyong National University, South Korea from 2018 to 2020

Topic : Synthesis of Organic Material for Photovoltaic Cells and Field-effect Transistor
 Supervisor : Prof. Dong Wook Chang, PhD

Research Student in Diponegoro University, Indonesia from 2016 to 2017

Topic : Preparation of Waterglass in the Silica Aerogel Production from Bamboo Leaf Silica Ash
 Supervisor : Dr-Ing. Silviana, S.T., M.T.

❖ Academic Experiences

Undergraduate Industrial Microbiology Laboratory Experiment Assistant in Diponegoro University, Indonesia from 2015 to 2017

Topic : Study of Various Enzymes Isolation and the Activities from Fruits
 Supervisor : Prof. Dr. Ir. Abdullah, MS

Internship Student in PT. Petrokimia Gresik, Indonesia in 2016

Topic : Thermal Efficiency Evaluation of Rotary Cooler in Unit of Phonska IV
 Production of Plant II-B at PT. Petrokimia Gresik
 Supervisor : Rizza Ghozali, S.T. (field) and Dr. Andri Cahyo K., S.T., M.T. (academic)

❖ Awards, Funding, and Other Support

Student Creativity Program, 2016, *Ministry of Research, Technology and Higher Education, Indonesia* (Funding)

Excellent Research Performance Award, 2019, *Korea Institute of Energy Technology Evaluation and Planning, South Korea* (Award)

Excellent Paper Award, 2019, *Korean Society of Industrial and Engineering Chemistry branch Busan-Ulsan-Gyeongnam, South Korea* (Award)

❖ Social Experiences

Diponegoro University Chemical Engineering Student Association, Indonesia from 2014 to 2016

Position : Head of Alumna Division (2015-2016); Executive Staff (2014-2015)
 Job description : coordinated all executive staff in the preparation of graduation ceremony event, sharing of job vacancies, and updating chemical engineering alumnus data (as head of division); arranged every student event in the student association (as executive staff)

❖ Technical Skills

Instruments : Nuclear Magnetic Resonance (NMR), UV-Vis Spectrophotometry, Spectrofluorometer, FT-IR Spectrometer, Cyclic Voltammetry, High Performance Liquid Chromatography
 Softwares : Word processing (Ms. Word), spreadsheet (Ms. Excel), presentation (Ms. Power Point), data processing (Origin and Scilab), molecular design (ChemDraw) and computational chemistry (Gaussian 03)

❖ Languages

Indonesian : fluent (native language)
 English : advanced (B2)
 Korean : basic (A1)



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