

Curriculum Vitae

Personal Information

Name : Jonatan Kevin Daniel
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Education

- Chemical Engineering, Institut Teknologi Bandung (August 2016 – July 2020, GPA 3.54/Cumlaude)
- SMA Unggul DEL, North Sumatera (July 2013 – July 2016, Best Alumni)

Work Experience

- Process and Project Control Engineer at PT Rapid Infrastruktur Indonesia (July 2020– Present)
 - Responsible as Project Control Engineer for Feasibility Study of Methanol Plant owned by PT Rukun Rahardja
 - Responsible as Process Engineer for TDAE Plant PT Enerco RPO International. Tasks has been done such as update P&ID as built of TDAE Plant, evaluate steam-condensate system for energy saving, re-design plant flushing system, evaluate nitrogen blanketing system for feed and product storage tank, create yearly production planning and manufacturing cost estimation, etc.
- Process Engineer Intern at PT ECCO Tannery Indonesia for Waste Water Treatment Plant and Sludge Management (June 2019 – August 2019)
 - Evaluate an Aerobic Activated Sludge System Exist for WWT
 - Design an Anaerobic Digestion System for Sludge and Flesh Waste Treatment
- Project Engineer Intern at PT. Century Batteries Indonesia, site Karawang (October 2018 - April 2019)
 - Design a new cooling system for batteries fast charging process
 - Evaluate feasibility study for the technology offered
- Process Engineer Intern at ITB Catalyst and Reaction Engineering Laboratory in collaboration with Pertamina (June 2018 – September 2018)
 - Determine the optimum operating conditions for catalyst's performance in converting palm oil to green diesel and bioavtur
- Teaching Assistant of Bioreactor Design and Analysis at Institut Teknologi Bandung (Januari – May 2020)
 - Assisted the professor in giving course materials and grading exams
 - Assisted the students on course projects and presentations
- Human Resources Director at Koperasi Kesejahteraan Mahasiswa (KOKESMA) ITB (February 2019 – March 2020)
 - Responsible for the smooth and profitable operation of KOKESMA ITB
 - Supervise and provide consultation to management on strategic staffing plans, compensation, benefits, training and development, budget, and labor relation
- Intern at ITB Centre of Information and Documentation Management (May 2019 – November 2019)
 - Content creator responsibilities
 - Write post about ITB and interpret data provided into a good narrative

- Finansialku Campus Ambassador (August 2018 – August 2019)
- Journalist at Kantor Berita ITB (January 2018 – May 2020)
 - Write news related to events, seminars, and achievements of ITB
- Teaching Assistant of Fluid and Particle Mechanics at Institut Teknologi Bandung (Agustus – December 2019)
 - Assisted the professor in giving course materials and grading exams
 - Assisted the students on course projects and presentations
- Paragon Campus Ambassador (July 2018 – December 2018)
- CETAKU Campus Ambassador (August 2017 – August 2018)

Organization Experience

- Motivator and Concelor at UPT Asrama ITB (August 2017 – May 2019)
- Supervisor staff of Himpunan Mahasiswa Teknik Kimia (HIMATEK) / Association of Chemical Engineer Institut Teknologi Bandung (July 2017 – May 2018)
- Student Mentor at Keluarga Mahasiswa ITB (August 2018 – December 2018)
- Head of Representative Member Council at Unit Kesenian Sumatera Utara (UKSU) ITB (February 2018 – May 2019)
- Head of Publication and Documentation Division at PAKDUMARU ITB (August 2017 – December 2017)

Volunteer Experience

- Learning Express Program 2020 held by Institut Teknologi Bandung in Collaboration with Singapore Polytechnic
- Live in Ciporeat Village 2017 held by Himpunan Mahasiswa Teknik Kimia ITB

Research Project

- “Textile Waste Water Treatment Using Anaerobic Membrane Bioreactor Continued with DHS Aerobic Process” (June 2018 – May 2020)
- “Micro-Aerobic Metabolism of The Yeast *Saccharomyces cerevisiae* in a Microgravity Environment” (Januari 2016 – October 2016)

Awards & Seminars

- Finalist of Industrial Problem Solving Competition held by Universitas Sumatera Utara in Collaboration with PT Indonesia Asahan Aluminium (Januari 2020)
- 1st Winner of Safety Competition 2019 Universitas Gajah Mada, Yogyakarta, Indonesia (November 2019)
 - Won by creating a comprehensive analysis including dispersion, fire, and explosion analysis of a full rupture pipe accident in the new CS₂ production plant. Also gave an economically feasible mitigation system to ensure that the plant running safely
- Runner up of Plant Design Competition National Chemical Engineering Symposium (NACES), Pahang, Malaysia (October 2019)
 - Won by creating an economically feasible and ecofriendly plant design to produce PET from PET
- Astra1st Awardee Batch 8 (August 2018 – May 2019)
- Runner up of Technical Power Presentation Competition National Chemical Engineering Symposium (NACES), Kuala Lumpur, Malaysia (August 2018)
 - Won by creating a new solution to preserve Citarum basin
- Winner of Indonesia Youth Award selected by Indonesia’s Ministry of Youth and Sport, Jakarta (April, 2016)
- Delegation of Indonesia for International Space Station Project held by NASA, AMSE Institute, and Valley Christian School (April 2016 – October 2016)

Workshop

- Workshop ITB Journalist Apprentice 2018 held by Kantor Berita ITB
- Astra Workshop Program 2018 held by PT Astra Internasional Tbk

Other Skills

- Microsoft office
- VISIO
- MATLAB
- Aspen Hysys
- ALOHA