Henry Arista Halim

hen.halim12@berkeley.edu • (805) 990-3323

Permanent: 4313 Riverglen St, Moorpark, CA 93021 • **Local:** 1988 Martin Luther King Jr Way Apt 412, Berkeley, CA 94704

EDUCATION

University of California, Berkeley Expected: Dec 2015
B.S. in Chemical Engineering and Material Science *GPA: 3.05*

Moorpark College, Moorpark, CA Jan 2011 – May 2013
Math, Physics, and Chemistry Coursework *GPA: 3.80*

RELEVANT COURSEWORK

Chemical Process Analysis	Thermodynamics	Crystallography
Chemical Reaction Engineering	Quantum Physics	Materials Production
Transport and Separation Process	Phase Transformation	Properties of Materials

SKILLS

Technical: NMR, Infrared Spectroscopy, Separation, Distillation, Titration
Computer: MATLAB, Comsol, Aspen, Visual Basic, Pascal, Latex
Languages: Fluent in Indonesian, Proficient in Chinese

HONORS

Moorpark College Dean's List – Spring'11, Fall'11, Spring'12, Fall'12, Spring'13
4th place in Surabaya University Logic and Programming Competition 2010

EXPERIENCE

PT. Trias Sentosa, Tbk – Krian, Indonesia Dec 2014 – Jan 2014
Utility Engineering Intern
- Advised on separation technique to recycle polyethylene terephthalate (PET) from wastewater
- Advanced polypropylene (PP) manufacturing by calculating the efficiency of chiller and oil heater system
- Created recording system of utility equipment for quality assurance

Moorpark College Math Center – Moorpark, CA Aug 2011 – May 2013
Math, Physics, Chemistry Tutor
- Provided daily tutoring for college students in math, physics, and chemistry
- Advised students on coursework and helped them develop their personal goals

Moorpark College – Moorpark, CA Jan 2012 – May 2013
Supplemental Instructor
- Prepared and managed teaching materials for 40 persons class
- Assisted math professor in conducting discussion sessions and grading

PROJECTS

Plug Flow Reactor (PFR) Design Project Fall 2013
- Optimized production of polystyrene with minimum cost by adjusting the parameters such as single pass conversion, reactor volume, and power
- Improved plug flow reactor efficiency in production system design by adding heat exchanger and recycle stream
- Computed relevant data in MATLAB and presented results in the formal lab report

ACTIVITIES

Young Indonesian Catholic Community in Los Angeles Feb 2012 – May 2013
Event Organizer
- Coordinated all events and activities such as Sunday Choir, charity events, and participating in LA Food Banks
- Promoted the community to young Indonesian across Los Angeles

Mudika IC-ADLA Annual Charity Event July 2012 – Nov 2012
Backstage Coordinator
- Coordinated with small groups to organize preparation and performance of the production