

EDUCATION

2009–2013 | **The University of New South Wales, Sydney, Australia.**
Bachelor of Science, Biotechnology (Honours II Div I, 83%)

PROFESSIONAL EXPERIENCE

2012–today | **Honours Student at Neilan Laboratory of Microbial Diversity**

- Performed the creation of cyanobacterial fosmid libraries, elucidation of cyanobacterial gene clusters, and heterologous expression of Anabaenopeptin gene cluster in *Escherichia coli*.
- Responsible for various consultancies and laboratory database and website.
- Replenishing materials, laboratory instrument, and general aspects of laboratory maintenance.

Publications

Laboratory Skills

- Basic laboratory techniques including PCR, gel electrophoresis, isolation and purification of DNA and RNA, spectrophotometry, and sequencing preparations.
- Knowledge of DNA cloning techniques including generation of fosmid libraries, miniprep analysis, and restriction enzyme digestion.
- Basic microbiology techniques including Gram staining, colony isolation technique, replica plating, aseptic technique
- Knowledge of various organic chemistry techniques including reaction chemistry, separation, recrystallisation and purification of compound, spectroscopy (^1H , ^{13}C , and infrared), column and thin-layer chromatography, reflux heating, and isolation of natural compounds.
- Bioinformatics techniques including DNA sequencing and analysis, sequence searching and aligning, protein and enzyme structure analysis, and data mining.

Related Skills

- Fully proficient in Microsoft Office applications including Word, Excel, Power Point, Access, Publisher, and Outlook.

- Proficient in typesetting and referencing software including EndNote, \LaTeX , BibTex.
- Fully proficient in ChemDraw, Minitab, Prism, Adobe Software (Acrobat, Photoshop, Dreamweaver)
- Familiarity in Adobe Flash, After Effects, Illustrator, Premiere.
- Various website scripting environment including HTML, PHP, MySQL, CSS, JavaScript. Experience in business server setting up including DNS configurations, website hosting, and website management.

Achievements

2011	Semi Finalist of Peter Farrel Cup Business Plan Competition
2007	Indonesian candidate for ASEAN skills competition
2005-2006	Preliminary candidate for Indonesian team of International Olympiad in Informatics.

References

References are available on request.