



PERSONAL FACT

I've always seen myself as an enthusiast and creative person who always endeavor to create a new radical technology solution and build it! Growing up as a son from poor farmer family in Central of Java, I became aware of challenges and problems faced by poor villagers in their daily lives. This gave me the will to study hard and enter one of the best university in Indonesia, Universitas Gadjah Mada. Fortunately, I passed the test and choose Mechanical Engineering as my major. I focused on product design and technology development at there. In four years, my team and I succeed to develop some technologies which can increase the agriculture and aquaculture yield that will directly increase villager's welfare. This is something that I consider very important for a designer to have; the ability to explore ideas and the passion to transform the ideas into a real solutive product.



EDUCATION

- 2020 - Present
MASTER OF SCIENCE CANDIDATE
Innovation Management and Product Development
KTH Royal Institute of Technology, Sweden
- 2012 - 2016
BACHELOR OF ENGINEERING
Mechanical and Industrial Engineering
Universitas Gadjah Mada, Indonesia
Cumlaude, GPA: 3.53/4.00
- 2009 - 2012
SENIOR HIGH SCHOOL
SMA N 61 JAKARTA



WORK EXPERIENCE

- 2018 - Present
CHIEF OPERATING OFFICER (COO)
BANOO INOVASI INDONESIA Ltd.
- 2016 - 2018
CHIEF TECHNICAL OFFICER (CTO) - FOUNDER
MINO TEKNOLOGI INDONESIA Ltd.
A start-up that have a focus on applied technology and product development for aquaculture, agriculture and environment sustainability
- 2015 - 2017
SCIENTIST & RESEARCHER
Center for Energy Studies UGM

FAJAR KELANA

MECHANICAL ENGINEER
INNOVATION MANAGER



PERSONAL DETAIL

- Fajar Sidik Abdullah Kelana
- Jakarta, March 17th 1994
- Indonesia
- Björksätra 46, 1102
127 36, Skärholmen
Stockholm, Sweden



LANGUAGE

- Indonesia (Native)
- English (Proficient)



SKILL & EXPERTISE

- Autodesk Inventor ●●●●●●●●●●
- Autodesk Fusion 360 ●●●●●●●●●●
- Solidwork ●●●●●●●●●●
- MATLAB ●●●●●●●●●●
- Adobe Illustrator ●●●●●●●●●●
- Adobe Photoshop ●●●●●●●●●●
- CorelDraw ●●●●●●●●●●
- Sketchbook Pro ●●●●●●●●●●



HONOR & ACHIEVEMENT

2018

1ST WINNER OF IDEAS FOR ACTION 2018

World Bank Group and Wharton Business School

Presenting MINO at IMF and World Bank Annual Meeting 2018
Nusa Dua, Bali | October 9th 2018

2017

1ST WINNER OF ASIA PACIFIC JAPAN CISCO GLOBAL PROBLEM SOLVER CHALLENGE 2017

Cisco Asia Pacific Japan

Presenting iFish (Internet of Fishery) Project
Jakarta | December 3rd 2017

2017

1ST WINNER OF YOUTH AG-SUMMIT PROJECT COMPETITION 2017

Bayer Crop Science

Presenting AGRIKUA Project at Youth Ag Summit 2017
Brussels, Belgium | October 9th - 13th 2017

2017

FINALIST OF INTERNATIONAL COMPETITION ON SECOND LIFE FOR RETIRED BATTERIES FROM ELECTRIC VEHICLE

Environment Bureau, The Government of Hong Kong

Presenting the utilization of retired batteries for MINO Project
Hong Kong | June 25th 2017

2017

FINALIST OF ASME ISHOW (INNOVATION SHOWCASE) 2017

American Society for Mechanical Engineer (ASME)

Presenting MINO Project at ASME ISHOW Final Round

Bangalore, India | April 27th 2017

2017

FINALIST OF GLOBAL SOCIAL VENTURE COMPETITION SOUTH EAST ASIA REGION (GSVC - SEA) 2017

University of Thai Chamber of Commerce (UTCC)

Presenting MINO Project at GSVC SEA Final Round

Bangkok, Thailand | February 25th 2017

2016

1ST WINNER OF YSEALI INNOVATION CHALLENGE 2016

YSEALI & USAID
Presenting MINO Project at ASEAN Committee on Science and
Technology – United States Consultation Meeting (COST-71)

Siem Reap, Cambodia | October 27th 2016

2015

THE BEST ELECTRIC VEHICLE TEAM OF INDONESIA ELECTRIC VEHICLE COMPETITION 2015

Bandung State Polytechnic

ARJUNA UGM Electric Vehicle Project

Bandung, Indonesia | November 2015



SCHOLARSHIP

2019

INDONESIA ENDOWMENT FUND FOR EDUCATION SCHOLARSHIP (LPDP SCHOLARSHIP)

Lembaga Pengelola Dana
Pendidikan (LPDP) Indonesia

Master Degree in

Integrated Product Design,

Innovation Management and

Product Development Track,

KTH Royal Institute of Technology

Sweden | 2020



EXCHANGE PROGRAM

2018

EXTERNSHIP TO INNOVATION CENTRAL SYDNEY

Cisco Australia

as the Grand Prize of 1st Winner

of APJ Cisco GPS Challenge 2017

Sydney, Australia | April 2018

2017

INDONESIA REPRESENTATIVE FOR YOUTH AG SUMMIT 2017

Bayer Crop Science

Brussels, Belgium | October 2017

2017

EXTERNSHIP TO UNIVERSITY OF AUSTIN, TEXAS

YSEALI & USAID

as the Grand Prize of 1st Winner

of YSEALI Innovation Challenge

Austin, Texas | March 2017

2017

INDONESIA REPRESENTATIVE FOR INNOVATION DRIVEN ENTREPRENEURSHIP

ACCELERATOR

MIT REAP & GSVC

Bangkok, Thailand | January 2017

2016

YSEALI INNOVATION CHALLENGE BOOTCAMP WITH INTEL & CISCO

YSEALI & USAID

as YSEALI Innovation Challenge

2016 Semifinalist

Singapore | July 2016



FUNDED RESEARCH

2017 - 2019

APPLIED MICROBUBBLE GENERATOR FOR AQUACULTURE INDUSTRY

Funded by Ministry of Research, Technology and Higher Education, Republic of Indonesia

Penelitian Terapan Unggulan Perguruan Tinggi (PTUPT) Programme.

2017

MICROBUBBLE GENERATOR PROTOTYPE FOR AQUACULTURE

Funded by M Foundation

Creating microbubble generator prototype to be applied in real fish farmer pond in Yogyakarta

2015

DEVELOPMENT OF BATTERY MANAGEMENT SYSTEM (BMS) FOR ELECTRIC VEHICLE

Funded by Ministry of Research, Technology and Higher Education Republic of Indonesia

Insentif Riset Nasional (INSINAS) Programme



INVITED SPEAKER

2019

UNIVERSITY AND SDGS CENTER NETWORK FORUM 2019

Organized by United Nation Development Programme (UNDP)

Invited Speaker who discuss about Youth Role in SDGs Attainment through Technology and Innovation.

Shangri-La Hotel, Jakarta | January 21st 2019

2018

IMF - WORLD BANK ANNUAL MEETING 2018

Organized by World Bank Group and Wharton Business School

Invited Speaker who discuss about "Ideas for Action; Youth Engagement for Financing the Future of Development" Bali International Convention Center | October 9th 2018

2018

TANOTO FOUNDATION EVENT IN IMF - WORLD BANK ANNUAL MEETING 2018

Organized by Tanoto Foundation & Wharton Business School

Invited Speaker who discuss about "Making the SDGs Everyone's Business; The Private Sector Living The Global SDGs Agenda in South East Asia

Westin Resort Nusa Dua, Bali | October 9th 2018

2017

INNOVATION FOR DEVELOPMENT

Organized by USAID, YSEALI, Intel and @atamerica

Invited Presentation that present MINO Project as the winner of YSEALI Innovation Challenge 2016 in front of Regional Director for Corporate Affairs (Asia-Pacific) of Intel, United States Ambassador for Indonesia, Vice President Intel, Mission Director of USAID Indonesia Pacific Place Mall, Jakarta | May 2nd 2017



ORGANIZATION

2015 - Present

HEAD OF SOCIAL COMMUNITY KITAMOROTAI Community

A social community that concern in educational quality improvement in Morotai Island, North Maluku. We build small libraries, provide books and give educational fund for children from poor families.

2014 - 2015

EXECUTIVE CHAIRMAN ARJUNA Electric Vehicle Team

Universitas Gadjah Mada

2012 - 2015

STUDENT BOARD Mechanical Engineering Student Association (KMTM)

Universitas Gadjah Mada

2012 - 2014

STAFF OF MECHANICAL DIVISION ARJUNA Electric Vehicle Team

Universitas Gadjah Mada

2010 - 2011

HEAD OF STUDENT BOARD Senior High School Student Association (MPK)

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CONTACT INFO



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SOCIAL MEDIA



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