

## REETING FROM EDITOR-IN-CHIEF



By giving thanks to the existence of God Almighty, we would like to, on behalf of the SGU Dirmarcom family, express our deepest gratitude to the whole SGU Family for the teamwork and cooperation that has enabled SGU to withstand the effects of the Covid-19 pandemic and continue to exist. The year 2023 is very meaningful to everyone in the SGU Family since it marks the university's 23rd year of being dedicated to establishing a global learning-based educational system.

Since the end of 2022, SGU has won numerous honors, including one from the Tangerang Regency for its work with Pentahelix to create an incubator for business and technology (IBT) and a center for digital marketing for IKMs. The foundation of SGU's recent successes is RAPIDS, the university's basic values of Resilient, Adaptive, Proactive, Integrity, Discipline and Social Care.

Additionally, SGU is improving a number of collaborative engagement concepts with top universities like the University of Missouri-Kansas City in America, the International Management Institute in Switzerland, Hochschule Albstadt-Sigmaringen in Germany, Fachhochschule Südwestfalen in Germany, University of Applied Sciences Jena in Germany, SolBridge International School of Business in South Korea, and Hochschule Albstadt-Sigmaringen in Germany.

By continuing to work with the top universities from across the world, SGU is dedicated to enhancing the quality of education it currently offers. Enhancing Agility Towards Global Competitiveness, the topic of SGU's 23rd Anniversary Celebration, has given the SGU Family new inspiration to keep giving our beloved campus the finest care possible. Therefore as a global recognized university SGU will strengthen in superior learning experience and character transformation to nurture graduates as global learners.

The Covid-19 Pandemic being contained, and the economy improving, SGU hopes that in this new age, God Almighty will always give His grace and gifts to the entire SGU Family in continuing the struggle to educate the nation's life and create a strong character of high performing alumni as a form of devotion to our loved homeland.

**Eka Wulan**  
Editor-in-Chief

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A group portrait of the BOM, BOP, RO, lectures, and staff.

## 23 YEARS OF SGU'S COMMITMENT TO CONTINUE CONTRIBUTING TO RESPONDING TO GLOBAL CHALLENGES

**Tangerang, 21 February 2023** - Stepping into its 23<sup>rd</sup> year, SGU as one of the leading private universities in organizing global learning experiences is committed to continuing to contribute to responding to various dynamics and challenges at the global, regional and national levels.

"To attain self-reliance, we must have high competitiveness and be able to have access to diverse opportunities generated by globalization," SGU Rector, Dr. Prof. Nat. Filiانا Santoso stated. Institutions of higher learning have a major role in this situation, she said.

Therefore, on its 23<sup>rd</sup> anniversary, SGU carries the theme "Enhancing Agility Toward Global Competitiveness" which will be held on February 21, 2023, at the SGU campus, Prominence, Alam Sutera. This event is also an event for togetherness, maintaining friendship and synergy among all SGU employees and lecturers.

SGU is enhancing various collaborative engagement concepts with world-class universities like IMI (International Management Institute) - Switzerland, Hochschule Albstadt-Sigmaringen - Germany, Fachhochschule Südwestfalen - Germany, University of Applied Sciences Jena - Germany, SolBridge International School of Business - South Korea, and Hokkaido University as a private university that prepares its students as global learners with high performance alumni characteristics.

SGU will continue to be involved in many projects to generate



Award for Employee Loyalty presented by VR 2

solutions to various difficulties faced by society, both at the national and global levels, thanks to this collaborative development philosophy and the strength of its network. As a result, SGU will expand its transdisciplinary research on challenges pertaining to innovation, bolstering the economy, health, and energy

Through a variety of community service initiatives with a focus on enhancing the capabilities of UMKM (Usaha Mikro, Kecil, dan Menengah) in Tangerang Raya, which includes Tangerang City, Tangerang Kabupaten, and South Tangerang, SGU has contributed to the improvement of the nation's economy. The Tangerang Regency government honors SGU in 2023 for their entahelix collaboration in creating an IBT (Incubator for Business & Technology) and a Digital Marketing Center for IKMs. This demonstrates how SGU encourages small and medium-sized business (IKM) players to make changes by embracing digital transformation to access international markets.

The achievements of all parties and the university leaders, who have consistently worked hard, are adaptive and agile and have produced extraordinary work that are advantageous not only for the university, but also for nation-building and help to address global challenges. These have allowed SGU to grow and develop. (VEH/PR)



## COLLABORATION TO IMPROVE EDUCATION SYSTEMS FROM FACULTY OF ENGINEERING AND IT OF SWISS GERMAN UNIVERSITY (FEIT SGU) AND FACULTY OF ENGINEERING OF INDONESIA UNIVERSITY (FTUI)

**October 20, 2022** - at the Dean's Office of the Faculty of Engineering, Indonesia University, the faculties of engineering and IT of Swiss German University (FEIT SGU) and Faculty of Engineering of Indonesia University (FTUI) signed a Memorandum of Understanding. The vice dean for academic, research, and student affairs, Prof. Dr. Ir. Yanuar, represented FTUI in the ceremony while the dean of FEIT SGU, Dr. Maulahikmah Galinium, represented FEIT SGU. The MoU makes it possible for FEIT SGU and FTUI to work together on academic projects, joint research, guest lectures, and credit transfer programs that are consistent with the MBKM curriculum.

To follow up the agreement between the two parties, Dr. Galinium, accompanied by 4 faculty members from Industrial

Engineering Department of SGU, namely: (1) Dr. Eng. Aditya T Pratama (2) Ir. Triarti Saraswati, M.Eng (3) Dr. Tanika Dewi Sofianti, S.T., M.T., and (4) Ivan Kurniawan ST, B.Eng, MT, MBA, made a facility visit and discussion at the Industrial Engineering Department of UI. The delegation was warmly welcomed by the team led by the head of department: Dr. Komarudin, ST., M.Eng., who was accompanied by Zulkamain, S.T., M.T. D.Sc, the deputy head of department, and other faculty members such as Prof. Dr. Akhmad Hidayatno, Dr.rer. pol. Romadhani Ardi, S.T., M.T., Dr. Maya Arlini Puspasari, Dr. Arian Dhini, and Dr. Andri D Setiawan. The visit was closed with a souvenir exchange ceremony and group photo session. (VEH/PR)







## LAUNCHING THE DUAL DEGREE MBA PROGRAM, SGU SIGNS MOU WITH SOLBRIDGE INTERNATIONAL SCHOOL OF BUSINESS

from left to right: Dean of SolBridge School of Business - Dr. Joshua Park JD, Rector SGU - Dr. rer. nat. Filiana Santoso, Dean of Faculty of Business & Communication SGU - Dr. Ir. Yosman Bustaman, M.Buss., and Rector of Woosong University - Dr. Deong Seong-oh.

**Tangerang, 7 November 2022** - The opportunity for Swiss German University (SGU) students to take part in the dual degree master's in business administration (MBA) program at SolBridge International School of Business Woosong University, South Korea, is wide open. Likewise, the opportunity is open for SolBridge students to study at SGU.

This followed the signing of a memorandum of understanding (MoU) entitled Definitive Collaboration by SGU with SolBridge at the SGU Campus, The Prominence Tower, Alam Sutera, Tangerang, Banten, on Monday, November 7, 2022. The signing was attended by SGU Rector, Dr. rer. nat. Filiana Santoso, Rector of Woosong University Dr. Deong Seong-oh, and SolBridge School of Business Dean, Dr. Joshua Park JD.

"We give them the opportunity to study one semester at SGU and continue their studies at SolBridge for another semester, and they return to SGU to complete their final semester," said Dr. Filiana.

Dr. Filiana explained this program was a concrete manifestation of SGU providing international or global experience for students. SGU does not want its students to only have experience on one campus, but to gain global experience.

"We believe that with this experience, students can have global competence," she said.

She added that SolBridge students also have the opportunity to study at SGU. They will be able to enjoy the learning experience at SGU and learning culture of Indonesia. "We are

very happy to welcome SolBridge students at SGU," she said.

The Head of master's in business administration at SGU, Dr. Soebowo Musa, added that the signing of this cooperation is the first step for SGU students to obtain a "dual degree" at SolBridge which is also very open. The degree will be given to master's program students who meet predetermined standards for both SGU students and SolBridge students.

SolBridge International School of Business is one of the faculties of Woosong University which opened in 2007 in Daejeon, South Korea (South Korea). The program emphasized at SolBridge is on business that focuses on logistics finance and marketing. With the vision of becoming a Harvard Business School in Asia, it is not surprising that the SolBridge business school has become one of the favorite universities in South Korea.

SGU students who have completed graduate studies at SGU for one semester will continue their studies at SolBridge for six months and continue the next semester at SGU.

After completing all requirements for the designated degree program, students will obtain a Master of Business Administration (MBA) degree from SolBridge, and vice versa. Students from SolBridge who have finished their postgraduate coursework after six months will continue their education for another year at SGU. After completing all requirements for the designated degree program, students will be awarded a Master of Business Administration (MBA) degree from SGU. (VEH/PR)



## INTRODUCING STUDENTS TO THE HEALTH FOOD AND BEVERAGE SECTOR, SGU AND RE.JUVE COLLABORATE

**Tangerang, 8 November 2022** - Most people's lifestyles now include leading a healthy lifestyle. One example is eating and drinking food and beverages (F&B) that are both filling to the stomach and beneficial to the body. Re.juve is one of the many healthy drink options. The business, founded by Richard Anthony, makes guaranteed-healthy drinks in the form of fruit and vegetable juices. SGU and Re.juve signed a memorandum of understanding (MoU) to help students become more familiar with the high-quality food business.

"We introduce this technology to students, so they understand when using this process, what are the consequences, that's why those who participate are not only from food technology students but even include mechatronics engineering students. We hope that when they graduate, they can open a business because they already know this technology exists so that more healthy products like this are sold in the market," said SGU Rector Dr. rer. nat. Filiana Santoso, at the SGU Campus, The Prominence Tower in Alam Sutera, Tangerang, on Tuesday November 8, 2022. Also attending the event was SGU Vice Rector for Academic Affairs Irvan S. Kartawiria, CEO and President Director of Re.juve Richard Anthony, and Head of Marketing at PT Sewu Segar Primatama (Re.juve) Putri Victor.

In addition, SGU wants to partner with Re.juve in research on food waste management, in this case squeezed fruit or vegetables. Richard Anthony sees that this food waste can be utilized in other ways, other than just compost.

"We want waste management, so fruit that has been squeezed doesn't mean it's useless at all. There's still a lot of pectin even though it's not a vitamin. Pectin still has a lot of fiber that can be utilized from fruit waste, and this is one of the topics we might want to discuss with Re.juve," said Filiana.

Richard Anthony described Re.juve's technology, which includes the first in ASEAN True Cold-Pressed Production Facility (CPF) coupled with High Pressure Technology (HPP). This technology's extraction method, which does not use heat, is thought to preserve the nutritional value of fruit and vegetable juice.

Richard Anthony, president director of Re.juve, said that in reality, to keep the product fresh and the nutrition is maintained, I wouldn't say 100% (kept nutrition), but very near to 100%.

Richard introduced this technology to SGU students from the Department of Food Technology and Mechatronics. Richard hopes that SGU graduates will be able to understand healthy products and develop them even better in society.



"We share experiences related to this industry. We also don't just think about commercialization, but how to develop or share value to the community through meetings with prospective engineers and future leaders. Hopefully they can be inspired to produce excellent results in the future," he said.

Richard added, his party is committed to presenting high-quality, delicious, healthy and honest products. On the point of "honesty," Richard claims to disclose all the ingredients on the packaging label of each product.

According to him, regulators such as BPOM and authorities in other countries give tolerance to the industry not to include ingredients that are considered not to exceed the limit. Meanwhile, Re.juve mentions all the ingredients used without exception.

"If we use (the material), we write it down. If we don't use it, we don't write it down. Maybe everyone thinks, all (products) should be like that (include ingredient composition). No! Because the regulator gives tolerance," said Richard.

"For example, the content of trans-fat (trans fat) or saturated fat (saturated fat). There is a standard. If it's under 0.5 grams, I don't remember exactly, later you could say no trans-fat, you could say no saturated fat (on the packaging). And that's misleading. That's why we are committed to clean labels that cannot be (hidden). Even 0.1 must be written down. Because zero is not the same as 0.1," said Richard. (VEH/PR)





## OPENING THE 5 YEAR BACHELOR AND MASTER FAST TRACK PROGRAM, SWISS GERMAN UNIVERSITY ESTABLISHES COLLABORATION WITH UNIVERSITY OF MISSOURI KANSAS CITY (UMKC)

**Tangerang, 14 November 2022** - Swiss German University collaborated with The Curators of the University of Missouri on behalf of The University of Missouri-Kansas City, which was marked by the signing of a memorandum of understanding (MoU) on Monday, November 14, 2022, in a hybrid manner at the Prominence Tower Swiss German University.

This event was attended by the SGU Rector, Dr. rer. nat. Filiana Santoso, Vice Rector for Academic Dr. Irvan Setiadi Kartawiria, S.T., M.Sc., Dean of the Faculty of Engineering and Information Technology, Dr. Maulahikmah Galinium, S.Kom, M.Sc, also the Dean of the Faculty of Life Sciences & Technology, Dr. Hery Sutanto, S.Sc., M.Sc., Dean of the UMKC School of Science & Engineering, Prof. Kevin Truman and Director of International Office UMKC, Ms. Hua Ding.

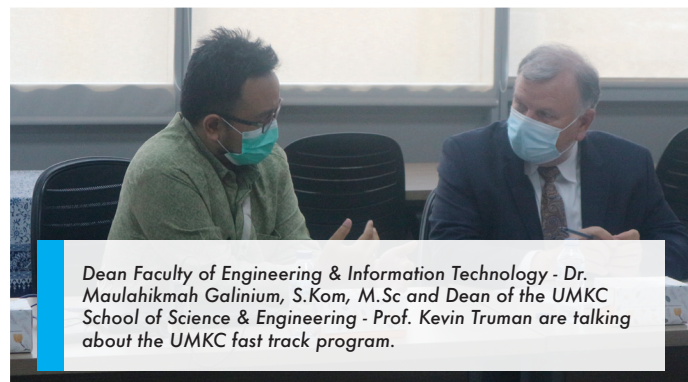
In this collaboration it was agreed that Swiss German University students could take the fast-track program for 5 years with 3+1+1. This fast-track program is similar to the accelerated program offered at schools. Basically, this program integrates undergraduate and postgraduate studies.

The 3+1+1 program is 3 years of study at SGU then 1 year of S1 at UMKC followed by 1 year of master's at UMKC. Later, SGU students who take this program can obtain a bachelor's degree from SGU and a master's degree from UMKC.

The existence of this collaboration is a step by Swiss German University to continue to collaborate with various parties, especially to improve the quality of education and science-technology globally.

The University of Missouri-Kansas City (UMKC) is the largest university in the Kansas City area. As many as 125 academic fields are offered by UMKC to provide opportunities for students to create careers globally, one of which is the School of Science and Engineering (SSE).

Rector of Swiss German University, Dr. rer. nat. Filiana Santoso said, "We hope that in the future we can carry out further collaboration with UMKC such as 2+2 double degree undergraduate programs, research collaborations, lecturer exchanges, and also student exchanges." (VEH/PR)



Dean Faculty of Engineering & Information Technology - Dr. Maulahikmah Galinium, S.Kom, M.Sc and Dean of the UMKC School of Science & Engineering - Prof. Kevin Truman are talking about the UMKC fast track program.

a group photo of Faculty member SGU, Student SGU, and Faculty Member UMKC



## AWARENESS OF INDUSTRIAL EQUIPMENT RELIABILITY, SWISS GERMAN UNIVERSITY INDUSTRIAL ENGINEERING PROGRAM HOLDS PREDICTIVE MAINTENANCE WORKSHOP

**Tangerang, 23 November 2022** - Predictive maintenance has grown in importance for enhancing industrial performance in Indonesia as a result of the rapid expansion of the industrial world highlighted by the advent of the Industrial 4.0 era. The Swiss German University Industrial Engineering Study Program organized a "Predictive Maintenance" workshop on November 23, 2022, in cooperation with the PIDI 4.0 management, PT. Andal Wahana Sinergi (AWASIN) and Techsource Systems, to raise awareness of the application and advantages of predictive maintenance. The Indonesia Digital Industry 4.0 Center Building (PIDI4.0), a building owned by the Indonesian Ministry of Industry, is located on Jl. Raya Kby Lama, No. 41, Permata Hijau, West Jakarta, and served as the venue for the event.

The "Predictive Maintenance" workshop was opened with remarks from Mr. Muhammad Mukhlis Afriyanto, ST., ME., MSE, Account Representative from PIDI 4.0. This event was attended by around 30 practitioners from various leading industries such as Pertamina, Toyota Motor Manufacturing Indonesia, Suzuki Indomobil Indonesia, East Kalimantan Methanol, United Tractor Pandu Engineering (PATRIA) and others.

In this activity there were 6 speakers, both from SGU and from practitioners, namely from the Industrial Engineering program – Swiss German University, Dr. Eng. Aditya T Pratama, Ir. Triarti Saraswati, M.Eng, and Dr. Tanika D Sofianti. From Techsource Systems, Bambang Nugroho and Ms Rasyiqah Annani, and PT AWASIN Livano Yudhistira.

The first session was started by Dr. Aditya T Pratama which discussed maintenance management starting from basic theory to the latest developments in industrial equipment maintenance management technology. This session explained the meaning of maintenance, the importance of maintenance management, and various methods for equipment maintenance or maintenance, and types of maintenance.

In session 2, the explanation was continued with a hands-on predictive analysis session using MATLAB for implementation on predictive maintenance, which was directed by Ms. Rasyiqah and Mr. Bambang from TechSource. In this session, the use of calculation applications for predictive maintenance was explained and demonstrated by all workshop participants. This session provided an opportunity for workshop participants to try using MATLAB for predictive maintenance using a special license given to workshop participants.

After ISHOMA, the workshop was continued by Ir. Triarti Saraswati, M.Eng with the topic of human factors in maintenance. This session covered errors that can be caused by human factors (or human error) in maintenance and their causes. Various causes of human error were explained, starting from outdated instructions or measuring instruments to the level of stress and fatigue experienced by workers.

As the fourth speaker of this Workshop, Dr. Tanika D Sofianti presented material entitled "Maintenance Inventory Control



Towards Industry 4.0". This session discussed the importance of inventory management for maintenance activities on the success of a maintenance management or maintenance management. In an inventory management, the right method is really needed to be able to minimize costs or costs while still meeting the needs of parts for maintenance management activities. This session also explained the importance of minimizing the impact of the use of equipment on the environment, by carrying out maintenance management activities as best as possible and supported by a good spare parts inventory management system. In this session, various types of inventory and methods to control inventory levels were explained with minimum costs and still be able to meet customer demands and needs at the right time and at the right amount.

The "Predictive Maintenance" workshop ended with a session by Mr. Livano Yudistira from PT AWASIN. He demonstrated the advantages of implementing predictive maintenance. This session discusses the benefits of predictive maintenance both from an economic perspective and from an operational point of view where predictive maintenance can reduce costs and losses incurred due to industrial equipment not functioning properly. In this session Mr. Livano also demonstrated several instruments and equipment that had been developed by PT AWASIN for predictive maintenance purposes in several industrial and construction facilities.

Industrial Engineering Swiss German University (SGU) together with PT. Andal Wahana Sinergi (AWASIN) and Techsource Systems organized this activity as part of a community service activity, which aims to increase the awareness of the industrial community regarding the importance of Predictive Maintenance. In addition, this workshop also provides ways to implement Predictive Maintenance properly so that it can achieve the main goal of implementing Predictive Maintenance.

With this workshop, it is hoped that the collaboration between Industrial Engineering SGU and PT AWASIN, and Techsource System with industrial practitioners, PIDI 4 and the Indonesian Ministry of Industry as part of "government" can continue to develop and contribute to advancing digital technology innovation in Indonesia, especially with the implementation of the program Industry 4.0 in Indonesia is "Making Indonesia 4.0" so that it can strengthen the nation's competitiveness.

The "Predictive Maintenance" workshop was able to run successfully thanks to the full support of various parties such as PT AWASIN and Techsource Systems, as well as the Digital Industry Center 4.0 (PIDI4.0). In addition, SGU Industrial Engineering lecturers and students who became speakers and organized the committee, and the involvement of the workshop participants also played an important role in the success of this event. (VEH/PR)





a moment of unity between the Bupati of Tangerang, the SGU Rector, and all of the award winners



## SGU IS HONORED BY PEMDA KABUPATEN TANGERANG WITH AN AWARD FOR ITS PENTAHILIX COLLABORATION IN THE GROWTH OF THE BUSINESS & TECHNOLOGY INCUBATOR (IBT) AND THE DIGITAL MARKETING CENTER FOR IKM

**Tangerang, 23 November 2022** - Encouraging the transformation of small and medium industry (IKM) players is one of the strategic strategies to assist the growth of new industrial entrepreneurs with global competitiveness. This is done so that IKM can benefit from the most recent technologies and produce innovations. SGU has been working with the Dinas Perindustrian & Perdagangan Kabupaten Tangerang and the Business & Technology Incubator (IBT) to develop a Digital Marketing Center as part of the Kedaireka initiative since 2020 in order to meet this goal.

SGU won an award as 'Higher Education Successful Collaboration between Pentahelix and the Regional Government of Tangerang Regency in the Development of IKM Technology'. This award was given by A Zaki Iskandar as the Regent of Tangerang, to Dr. rer. nat. Filiana Santoso as Rector of SGU at the Kab.Tangerang EXPO 2022 event which was held from 23 - 27 November 2022 at Ciputra Mall Citra Raya, Tangerang.

Conducting training and mentorship, including digital marketing training, business management support, and assisting BPOM management, is one of the activities from the Digital Marketing

Center (DMC) Business & Technology Incubator for IKM actors. After that, collaborative facilities were built, including a teaching factory, creative houses with sewing machines for bags, shoes, and overlocks, graphic design computers, and t-shirt and mug printers, as well as multipurpose gas drying ovens (Laboratory Model for BPOM standards, HACCP production of packaged foods).

Additionally, UMKM/IKM sales have increased thanks to initiatives like facilitating Tangerang UMKM Export exhibitions, creating the Tangerang Gemilang UMKM Gallery in Korea, forming the SMILE Tangerang Banten Banten producer cooperative (becoming a distributor of UMKM products for Tangerang Regency), business matching with foreign and domestic corporate buyers, and the Bintang Gemilang Online Bazaar.

"With this training, it is intended that IKM actors will be more confident in entering the realm of e-marketing with all its supporting technologies," said Dr. rer. nat. Filiana Santoso. I hope the IKM participants in the Tangerang area can keep coming up with new ideas to maintain their high level of competitiveness on the national and international markets. (VEH/PR)



## SGU'S CONTRIBUTION TO THE MERDEKA CAMPUS PROGRAM TO IMPROVE THE QUALITY OF HUMAN RESOURCES TO BECOME ADAPTIVE AND CREATIVE

Faculty members attending the MBKM event

Adiwijaya, S.Si., M.Sc. as Rector of Telkom Bandung University, Ir. Emma Hermawati Muhari, M.T. Chairman of the Quality Assurance Unit (SPM) Politeknik Negeri Bandung, and Dr. Antonius TP. Siahaan, SE.,Akt.,MM.,CA - Head of Business and Management SGU

**Tangerang, 3 December 2022** - Knowledge and competence change very quickly. Therefore, Knowledge and competence change very quickly. Therefore, SGU must be able to face changes at any time. In accordance with Permendikbud No 3/2020 concerning National Standards for Higher Education, one of the policies that must be formulated by tertiary institutions is the right of Free Learning - Independent Campus for students.

To ensure that the Merdeka Campus program runs well, SGU held a workshop with the theme "Alignment of Policies, Regulations and Implementation of MBKM at the University Level" within the framework of the Merdeka Campus Competition Program - Kemdikbud Ristek RI on 3, 5 and 12 December 2022. The Freedom to Learn Program - Merdeka Campus (MBKM) - is a series of academic activities in the undergraduate program curriculum at SGU that facilitates students doing activities outside the study program within SGU as well as activities outside the campus that are recognized as fulfilling the course graduation requirements.

In this workshop activity, several resource persons were present to provide input regarding the program from the MBKM. On the first day, SGU presented Dr. Rusman, M.Pd. as an expert in Curriculum and Educational Technology from the Indonesian University of Education. Dr. Rusman gave an explanation of the basic principles of the MBKM concept, gave directions for the development of educational curriculum and technology in accordance with the MBKM program, and provided references for the implementation of MBKM in other countries. Also present was Agus Gumilar, S.Sc., M.Pd. from LLDIKTI Region IV who explained the sustainability of the MBKM program both as a concept of thought and as government policies and programs also provides directions related to good tertiary governance for the implementation of the MBKM program.

On the second day, was present as a guest speaker Prof.

Dr. Adiwijaya, S.Si., M.Sc. as Rector of Telkom Bandung University, Ir. Emma Hermawati Muhari, M.T. Chairman of the Quality Assurance Unit (SPM) Politeknik Negeri Bandung, and Dr.rer.nat. Cecilia Esti Nugraheni, S.T., M.T as head of the UNPAR MBKM Office. The three informants provided material on how the MBKM program can be attractive to students while maintaining the quality of education itself.

On the third day, speakers were presented from industry partners who have collaborated with SGU, namely Drs. Victor S. Ringoringo, S.E, M.Sc. as Chief Business Development and R&D, PT Deltomed Laboratories, Johny Salim from Factory Automation Sales Specialist, PT Siemens Indonesia, and Febilia Seviani as Executive Administrative Assistant, The Hermitage Jakarta. SGU presented resource persons from industry partners with the aim of discussing the expected partnership concept through the MBKM program, the expected qualifications of participants, and obtaining partners' perspectives regarding the MBKM context.

SGU Rector Dr. rer. nat. Filiana Santoso said, "Students must have the capacity to become superior human resources in the future through various experiences today. We cannot just refer to the textbook and the way we have learned so far. We need to prepare superior human resources who master various scientific fields, are ready to collaborate across scientific disciplines, and are ready to be the solution to various complex problems," she explained.

Four SGU students won scholarships for the IISMA program in 2022 during the implementation of the Independent Campus Learning Program: Nazree Nadhir, Jason Jo Suhadi, Andrew Richmond Thezo at the University of Szeged in Hungary, and Juan "Quinn" Osbert, a student majoring in Global Strategic Communications at SGU who is taking film courses at the University of California, Davis in the United States of America. (VEH/PR)





## THE SGU FACULTY OF BUSINESS AND COMMUNICATION ASSISTS UMKM IN SOUTH TANGERANG BY PREPARING THEM TO UPDATE THEIR ABILITIES.



**Tangerang, 15 December 2022** - With the Kedaireka Kemdikbudristek matching grant program, the Faculty of Commerce and Communication at SGU is implementing creative assistance for UMKM in South Tangerang. 20 UMKM were cultivated by SGU through the kedaireka program with the help of the South Tangerang Dinkop. In supporting this project, last June 2022, the SGU Faculty of Business and Communication together with DinKop and UMKM held a discussion (FGD) with the theme "Digital Transformation" to increase competition for South Tangerang UMKM products through the Lengkong Gerai cooperative. The FGD identified that there were weaknesses in the packaging and branding of the products marketed by Tangsel UMK, both those sold at the Lengkong outlet cooperative and marketed directly to retail stores.

The implementation of marketing through digital channels has also been subpar, in part because certain UMKM players do not understand how to use these platforms and because there is no website that allows cooperatives to sell their products to one another.

Considering these circumstances, SGU organized Technical Guidance (BimTek) in July 2022 as the first step in resolving the issues faced by MSME operators in South Tangerang. Five MSME superior product owners under Gerai Lengkong received brand and packaging concepts from SGU, which were then handed to BimTek.

Dean of the Faculty of Business and Communication as well as Chair of this program, Dr. Ir. Yosman Bustaman, MBuss said, "This project focuses on Rebranding - Re Packaging and Digital Marketing, so that UMKM can upgrade. Packaging

refreshments by designing logos and packaging have been carried out in October and November 2022, so that packaging can tell buyers about the product itself," he said.

A support platform for digital marketing has been built over a number of months by the Department of Business and Communication with the help of students to assist the Kedaireka and MBKM programs. Launched on December 15, 2022, this platform, SGU created software bundles that UMKM can utilize to assist market their goods. Bundling software comprises of an e-commerce website with typical e-commerce capabilities including buyer management, stock management, buyer management, online buying, selling, and payments, as well as facilities for tracking packages during shipping.

SGU has also created a POS application that UMKM actors can utilize to enable in-store purchasing and selling activities in addition to the eCommerce website. The stock in this POS software is linked to ECommerce stock, which has the benefit of making shop internal data collecting easier.

With this collaboration between SGU, South Tangerang Dinkop, Kedaireka, and Lengkong outlets, it is hoped that superior products will be produced by Micro, Small and Medium Enterprises from the city of South Tangerang. In addition, the advantages may have a direct impact on the community and partners, which don't just stop at the campus, but for the economy to also awaken. (VEH/PR)





## ENTERPRISE & INDUSTRIAL INFORMATION SYSTEM (EIIIS) INDUSTRIAL ENGINEERING SEMESTER 7 STUDENT CLASS BANDUNG IOT TRIP

**Bandung, 16 November 2022** - From Wednesday, 16 November to Thursday, 17 November 2022, seven Industrial Engineering Semester 7 (IE2019) students had a 2-day and 1-night Internet of Things (IoT) Trip to Bandung (both inner city of Bandung & sub-urban regency at Soreang Village). The IoT trip was conducted with Pak Gunawan Zuardi (lecturer of the EIIIS subject) with two SGU graduates from MT2013 (Egi) and MT2014 (Alfian).

The trip included the IoT Project in Agriculture & Horticulture sector where Pak Gunawan Z works in this company, Inovasi Telematika Nusantara (ITN). Concurrently, the development of IoT devices with Abah Odeng (the farmer that worked with Pak Gunawan) at the Soreang Village, Bandung Regency, circa 2020. The IoT focuses on tomatoes (*Lycopersicon esculentum* L.) and their growth progression as the main product of the plantations. Following tomatoes, other recent agriculture products in this program are Rice, chilis, and cucumbers. There are also future agriculture outputs to be harvested using IOT technology, for instance, melon.

Industrial Engineering student also visited the IoT workshop base of Pak Gunawan Zuardi in Bandung inner city at the Simpang Pahlawan residence to learn about IoT primary components for agriculture objectives. Those six main components are MCB, Power Supply, Raspberry Pi, Relay, RS-485, and Sensors. The sensors, especially soil sensor, are key to agriculture's harvest success, such as pH scale, NPK soil & compound concentrations inside (Nitrogen Potassium and Kalium), Humidity rate, Temperature, system control, and Sun Lux.

During their stay in Bandung, they learned every prominent detail about the Internet of Things' (IoT) important task/role in improving every aspect of the agriculture industry and sector. Because Indonesia is still dependent on agriculture and for Indonesia's economic' continuity and sustainability, especially on the Island of Java and regarding the national food reserve. The students also learned basic knowledge about agriculture from biology, geography, economics & cost estimation, psychology & sociology, and chemistry perspectives to gain a deeper insight regarding the agriculture industry that can relate to and interconnected us as Industrial Engineering students.

The lecturing session on agriculture was conducted both at night and the morning to noon by both Pak Gunawan and Abah Odeng, with a PPT presentation. The SGU alumni also observed and witnessed how the IoT devices simulation works at the tomato plantation in real-time, which is able to be controlled by using any smart device (tablet, smartphone, etc.) Tomato crops using IoT had better results compared to those without IoT.

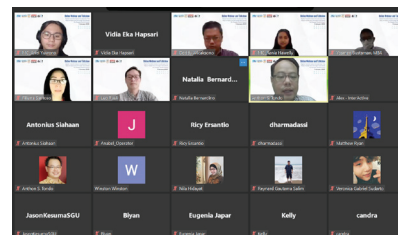
The students also visited the surrounding nature and inhabitants of Soreang, which is a stark difference from Bandung's downtown, stopped at a stall on the hill for snacks, learned and enjoyed the village culture and cuisine, and made new connections while were there, such as Henry, an intern of Pak Gunawan's company. Before departing from Soreang Village, the students had our third quiz with a topic the Internet of Things (IoT) and understanding regarding it and had lunch there. (PAS/IE2019)



## BUSINESS MANAGEMENT DEPARTMENT



International Business Entrepreneurship Festival



# IBEF 2023

## DIGITAL TRANSFORMATION ACCELERATES REVIVAL FASTER AND STRONGER BUSINESSES FOR GREATER SOCIAL IMPACT

**Tangerang, 9 January 2023** - The Student Business Association and International Business Administration Program Studies of Swiss German University hosted the 12th edition of the International Business Entrepreneurship Festival (IBEF 2023) on January 9, 2023. IBEF 2023 was held online this year in the style of a discussion show. This occasion reflects our accountability and care for the growth and advancement of entrepreneurship in Indonesia.

IBEF 2023 had the theme "Digital Transformation Accelerates Revival of Faster and Stronger Businesses for Greater Social Impact". The reason behind this theme is to realize digital transformation, cannot walk alone. All existing components need collaboration to make it happen. One form of digital transformation is encouraging the development of the digital economy. This year, IBEF presented 3 great speakers namely, Alex Surya Raharjo as CEO & Founder of InterActive Group, Rezky (AZ) Rahadian as CEO of Multipurpose Solutions Prima-MyFab and Elycia Tamsil as Founder of Fabriks.

IBEF 2023 participants are 5th semester students of the Department of Business Administration and the Department of Accounting. They produced 8 new startup local brands, the ideas they developed since semester 3, namely Youth Export, CariKarir, DigiAid, Door to Doors, Click n' Fly, Bluhm, Care Plus, and Vocabrite. Out of the eight IBEF 2023 Business Plan Competition, 3 winners were produced, namely 1st winner Bluhm (Blue Collars Service App) who received Rp. 1 million, 2nd winner Care Plus (Elderly Service App) who received Rp. 750 thousand, and 3rd winner Doors to Doors (Private Dining Set up Service) who received Rp. 500 thousand.

Overall, this competition aimed to build the soul of students in doing business, planning, and running their business, as well as increasing motivation and encouraging potential young entrepreneurs to start their start-up businesses. (VEH/PR)





The moment of togetherness between Rector of SGU, VR 2 SGU, and faculty member of Tel-U



# TO IMPROVE THE QUALITY OF THE EDUCATION SYSTEM, SGU COLLABORATES WITH TEL-U

**Bandung, 12 January 2023** - To enrich the quality of education so that students can achieve optimal learning, SGU has collaborated with Tel-U (Telkom University). This collaboration was marked by the signing of an MoU by the Rector of SGU, Dr. rer. nat. Filiana Santoso with Tel-U Rector, Prof. Dr. Adiwijaya, S.Si, M.Si at the Telkom University Bandung campus on Thursday, January 12 2023.

The Tridarma of Higher Education is being implemented in part through the cooperation between SGU and Tel-U. The ten of cooperation covered by the agreements are as follows: education, research, and community service; building human resource competencies; student apprenticeships; expert assistance; organizing training and certification; independent learning campus independent programs; organizing seminars, workshops, and other scientific activities; joint institutional activities; curriculum development; and teaching materials and other academic programs.

Rector of SGU, Dr. rer. nat. Filiana Santoso expressed her gratitude to Tel-U Rector Prof. Dr. Adiwijaya, S.Si, M.Si, for the extraordinary welcome and for the collaboration so that it can be followed up in more detailed activities. "It is hoped that this collaboration will run smoothly for shared needs, especially indicators of improving university quality," she said.

For the growth of high-quality education, collaboration between universities or with other organizations is crucial. This will give universities the chance to raise the standard of instruction, increase access, and strengthen networks between domestic and international universities. This collaboration will also have an effect on the academic community of higher education on a national level, enhancing synergy between higher education, improving the effectiveness of learning and research resources, and raising the bar for higher education's quality standards. (VEH/PR)





## THE SGU INFORMATION TECHNOLOGY MASTER PROGRAM OFFERS “NETWORK SECURITY: KNOWING YOUR HONEYPOT AND ANALYZING THE DATA” SEMINARS IN DIFFERENT AREAS AS A CONTRIBUTION TO ENHANCING THE QUALITY OF EDUCATION IN INDONESIA.

**Tangerang, 22 February 2023** - Monitoring possible risks is crucial for preparing a cyber defense considering the ongoing rise in security threats in cyberspace. As a result, the SGU Information Technology Master Program organized a session titled “Network Security: Understanding Your Honeypot and Analyzing the Data” for campuses in several Indonesian cities to raise campus knowledge of these cyberthreats.

On January 27, 2023, a workshop was led by Dr. Charles Lim, BSc., MSc., as secretary of the SGU Master of Information Technology study program held at Putera University Batam. On 2 February 2023 it was held at IIB Darmajaya Lampung, and 16 February 2023 at Bina Darma University Palembang.

It should be noted that the Honeypot system itself is a server or network system that is installed as bait to entice hackers just before they launch an attack or hacking effort. Near actual servers, honeypots are positioned to resemble tempting targets. It does this so that hackers will mistakenly attack the wrong targets.

A honeypot can assist you in both outwitting the intended victims of hacker attacks and in foreseeing attacks early on and preparing the required defenses. It is possible to obtain crucial information about the attack’s nature and technique after it enters the honeypot trap. By using the data gathered, it will be possible to predict the next attack and defend the system.

Dr. Charles Lim, BSc., MSc., as Secretary of the SGU Information Technology Study Master Program said, “There are 3 things

that I want to share with campuses in this workshop. First: how to install honeypot, secondly how to visualize the data, and lastly how to analyze the data.”

Honeypots are made as similar as possible to computer systems or services in general, complete with applications and data that can attract the attention of hackers. Like for example a honeypot that mimics a company’s financial system services or other services.

To attract the attention of hackers, honeypots are deliberately made vulnerable so that they are easy to attack. This is done by deliberately opening a port or application service that is intentionally made vulnerable to attack. With the opening of the port or service, hackers are provoked to attack it.

The goal of organizing this workshop, Dr. Charles Lim, BSc, MSc, noted, is to involve Indonesian campuses in foreseeing cyberthreats. Students and instructors will also become more proficient and knowledgeable in network security.

The National Cyber & Crypto Agency, Swiss German University, and Honeynet Indonesia Chapter (IHP) have been working together and doing cooperative research for more than three years because of their alliance (BSSN). Also, this is a growth of the ISIF Asia research award allocated in 2019. (VEH/PR)





**Congratulations to Silver Awardees (Global Jury – SEA) Eng Kho. The \*Annual Start Me Up Awards\* to recognize and celebrate the efforts of all those who excelled at and contributed to NEN entrepreneurship in 2021.**



**SGU Received an Award from Pemda Kabupaten Tangerang for Pentahelix Collaboration in Developing IKM at Kabupaten Tangerang**



**Andrew Richmond Thezo has been selected as one of the 10 Best Mentees among 1,000 mentees of Digistar Class**



**Congratulations Janet Salim, Information Technology Study Program Student Won 1<sup>st</sup> Place in the German Essay Competition**



**Congratulation for your acceptance at HUSTEP 2023 Spring Semester at Hokkaido University (Edrick and Virgitta)**





**Congratulations to Eleonora Valerie Martono - Best Trainee from the Kitchen Department at Westin Jakarta**



**Congratulations Aira Imanuella - Best Trainee from the FO Department, Raffles Hotel Jakarta**



**Congratulations Edrick for your acceptance of JASSO Scholarship at Hokkaido University**



Kholis Abdurachim Audah, M.Sc, Ph.D has been selected **KETUA DEWAN PENASEHAT MASYARAKAT BIOINFORMATIKA DAN BIODIVERSITAS INDONESIA 2023-2024.**



**Congratulations to Dr. Ir. Gembong Baskoro, M.Sc., IPU, who earned a certificate from PII recognizing his proficiency as a professional mechanical engineer**



## THE INDONESIAN GOVERNMENT OFFICIALLY INTRODUCES B35 IN 2023



News Contributor: **Dr.-Ing Diah Indriani Widiputri, ST., MSc**  
– Lecturer of Chemical Engineering

Entering the second month of 2023, the Indonesian government officially introduced B35, a mixture of conventional diesel oil with 35% biodiesel, a type of renewable fuel derived from palm oil. This is a significant increase from previous commercially available fuel, the B30, which uses 30% renewable biodiesel.

As the usage of biodiesel continues to increase in Indonesia, there is a corresponding rise in demand for experts in bioenergy. This correlation can be attributed to several factors.

Firstly, the adoption of biodiesel as a renewable energy source is driven by the Indonesian government's efforts to reduce its dependence on fossil fuels and meet its renewable energy targets. This has led to a significant increase in investment in the bioenergy sector, and the creation of new opportunities for professionals with expertise in the field.

Secondly, the increasing demand for biodiesel is driving innovation and technological advancements in bioenergy production and processing. This, in turn, is creating a need for experts who can develop, implement, and manage these new technologies, and ensure their efficient and sustainable use.

Lastly, as the bioenergy sector continues to grow and mature, the demand for experts in bioenergy will continue to increase. This is due to the need for highly skilled professionals who can manage the complex regulatory, economic, and social challenges associated with the development and deployment of bioenergy solutions.

In conclusion, the increasing use of biodiesel in Indonesia is driving the demand for experts in bioenergy and presenting new opportunities for those who have the knowledge, skills, and experience required to contribute to the growth of this important industry.

## IDENTIFYING YOUR PRIMARY LEARNING STYLE AND WHY IT'S IMPORTANT

News Contributor: **Carina Liow** – Business Management 2021  
(SGU Brand Champion 2022-2023)

Have you ever wondered why you digest information easier through different methods? Well, that has got to do with your primary learning style. There are four primary learning styles, which are: learning by seeing (visual), learning by hearing (auditory), learning by reading and writing (read/write), or learning by doing (kinesthetic).

When it comes to identifying a person's primary learning style, there are a variety of ways including self-assessments, interviews, and observation. A popular one among them is self-assessments where one evaluates oneself. There is also an online tool to help you identify your learning style known as the VARK questionnaire which will measure your learning preference.

Knowing your primary learning style can be a valuable insight for both students and teachers. For students, understanding their primary learning style can help them to study more efficiently and effectively. For example, if a student knows that they are a visual learner, they can focus on using visual aids such as charts, graphs, picture aids, and PowerPoint slides when studying. If they know they are an auditory learner, they may benefit from listening to lectures or recordings of their own notes. Students save time and effort and gain a better understanding of the material by learning in a way that is most convenient and effective for their individual learning style.

Knowing your primary learning style can also help students to identify their strengths and weaknesses in learning. For instance, if a student finds it hard to understand abstract concepts, but excels in hands-on activities, they may be a kinesthetic learner. Understanding this can help them to approach learning differently and focus on their strengths to excel.

For teachers, understanding the primary learning styles of their students can help them to create a more effective learning environment for the class as a whole. Teachers are also able to better understand what may or may not work for certain students.

To summarize, it is important to note that learning styles are not fixed and can change over time, and many people have a combination of learning styles. Identifying a person's primary learning style is furthermore beneficial in many ways and if you haven't identified yours, I hope you're convinced now.





# LET'S GET TO KNOW 5 TYPES OF MOTHER SAUCE

News Contributor: **Diva Salma Rismala Putri** – International Culinary Business 2020 (SGU Brand Champion 2022-2023)

Mother Sauce is a basic sauce that serves as a base sauce to use in making other variations of the original sauce. Initially perfected by the French, all sauces are now universally categorized into one of 5 groups of sauces serving as a base or foundation for others sauces and referred to as the Grand or Mother Sauces. From this basic sauce, types of variety sauces are made which are called Secondary Sauce. The number of sauces is very large and there is no certainty about the exact amount, because new sauces are continually being created.

There are 5 types of Mother Sauce namely Hollandaise Sauce, Bechamel Sauce, Tomato Sauce, Veloute Sauce, and Espagnole Sauce. The basic ingredients for Mother Sauce are White Stock, Brown Stock, Milk, Tomato Paste, Clarified Butter.

## Basic Ingredients of Mother Sauce:

### 1. White Stock

White stock is a flavorful liquid made by simmering bones, vegetables, and aromatics

### 2. Brown Stock

Brown Stock is the result of boiling fish bones, chicken bones, or beef bones which are roasted or grilled to release the burning taste and smoky taste

### 3. Tomato Paste

Tomato Paste is a thick paste made from tomatoes that are cooked for several hours to reduce the water content, Tomato Paste tends to have a sour smell and smell of dried tomatoes.

### 4. Clarified Butter

Clarified Butter is butter that has had water and milk solids removed by cooking using low heat.

Now, let's get to know more **type of Mother Sauce:**

### 1. Hollandaise Sauce

Hollandaise sauce, also called Dutch sauce, is a mixture of egg

yolk, melted butter, and lemon juice. It is usually seasoned with salt, and either white pepper or cayenne pepper. Usually, this sauce is a key ingredient of eggs Benedict

### 2. Bechamel Sauce

Bechamel sauce is a sauce traditionally made from a white roux and milk.

### 3. Velouté Sauce

A velouté sauce is a savoury sauce that is made from a roux and a light stock.

### 4. Tomato Sauce

Made from Tomato Puree which is cooked together with Mire Poix and added spices such as bay leaf, thyme and oregano.

### 5. Espagnole Sauce

Espagnole sauce is a basic brown sauce. This sauce is most commonly used to make demi-glace, but it can also be used as a base to make other recipes such as Beef Stroganoff, Vegetable Beef Soup, and Beef and Mushroom Enchiladas.

Those are a few examples of Basic Ingredients for Mother Sauce and type of Mother Sauces that you need to know. It is important to know Mother sauce while you working in the kitchen as it is a basic building block of flavours and an important element in dishes.

International Culinary Business at Swiss German University is a good way to start gaining a lot of knowledge for kitchen and pastry industry. International Culinary Business is also a good way to start focus on building a career as a culinary entrepreneur and will enable you to make your own restaurant or culinary business in the future.

Swiss German University is the first and only university to offer a double degree program in Culinary Business in Indonesia. IMI (International Management Institute Switzerland) as a partner of Swiss German University, will enable you to study in Switzerland.





## BEHIND MECHATRONICS DAY 2022

News Contributor: **Kaylin Jocenta Charis** – Mechatronics 2020 (SGU Brand Champion 2022-2023)

The growth of technology is an exponential curve, advancing continuously at a rate faster than imagined. As a result, the world and all in it must catch up and adapt to this constant development. The advancement, though continual, is not evenly distributed across the globe; developed countries further advance while developing countries continue to seek for ways of keeping up, at a much slower pace. Seeing this gap, the Mechatronics Student Association of Swiss German University would like to contribute in taking Indonesia to reach the same level of technological advancement as other developed countries. As a means of achieving this, Mechatronics Day was created, becoming one of Swiss German University's biggest annual events.

Each year, we take on a different theme and title to match the competition and current world situation. Since the pandemic in 2020, not little have lost hope and motivation to continue on. Though 2 years have passed, the situation is still fairly unstable; the number of COVID-19 cases continues to fluctuate with no sign of when it will stop or reach 0. But even amidst this crisis, technological advancement continues to break through, bringing never-before-seen innovations to life. Seeing the

survival of technology in such an environment inspired us to push through and continue innovating despite the seemingly impossible conditions. From here, the title "A Walk-through Hyperspace" was born.

Hyperspace is defined to be a space of more than three dimensions. Impossible, right? But what if other dimensions do lie in space, just waiting to be discovered? A mix of science fiction and reality, a glimpse of what could be: hope. Something we would like to bring to lost and confused souls after the pandemic. The one question we focus on has come down to this: what if an alternate reality really does exist, what technological advancements could possibly be found? With "A Walk-through Hyperspace", we would like to highlight the fact that innovation is limitless; there are no boundaries to what can or cannot exist today. By taking a walk-through Mechatronics Day 2022, a walk through hyperspace, we hope the audience could see the birth of never-before-seen innovations, created with a touch of science, art and glimmers of hope.



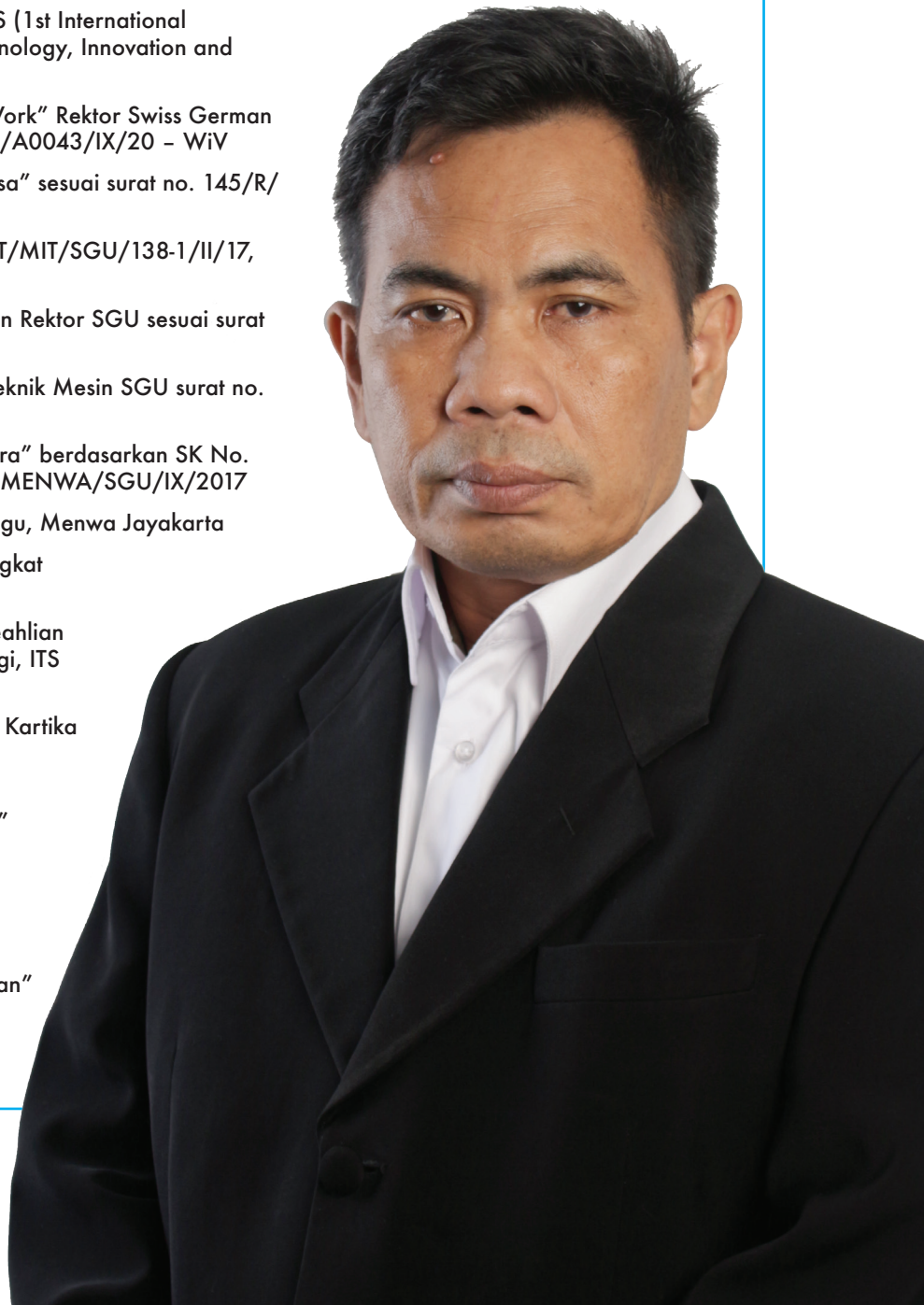
# Dr. Ir. Gembong Baskoro, M.Sc., IPU

## LECTURER OF MASTER OF MECHANICAL ENGINEERING

Badan Kejuruan Mesin Persatuan Insinyur Indonesia (PII) awarded a Professional Engineer Competency Certification through the results of the Evaluation/Assessment of the Professional Engineer Application Form and the Professional Engineer Certification Competency Verification Session to one of the program lecturers study Master of Mechanical Engineering SGU namely Dr. Ir. Gembong Baskoro, M.Sc.

### AWARDS:

- 2020: Best Paper, MOTIP 2020 – ITS (1st International Conference on Management of Technology, Innovation and Project.
- 2020: Penghargaan “Outstanding Work” Rektor Swiss German University sesuai surat no. Ref: L/Rec/A0043/IX/20 – WiV
- 2018: Lencana “Dwija Widya Abiyasa” sesuai surat no. 145/R/UNSADA/V/2018, Rektor UNSADA
- 2018: MIT Medal of Honour No. CRT/MIT/SGU/138-1/II/17, Kaprodi MIT-SGU
- 2017: Penghargaan dari Yayasan dan Rektor SGU sesuai surat No. L/Rec/A0123/IX/17 – WiV.
- 2017: Dosen berprestasi, Magister Teknik Mesin SGU surat no. No. Crt./MME/SGU/395-4/VIII/17.
- 2017: Lencana “Cipta Prawira Nagara” berdasarkan SK No. Kakomsat IARMI SGU, KB/1/IARMI-MENWA/SGU/IX/2017
- 2017: Juara 1 Menembak Pistol Beregu, Menwa Jayakarta
- 2017: Juara 2 Lomba Menembak Tingkat Nasional, Menwa Mahawarman.
- 2013: Dosen Berprestasi-2 bidang keahlian MKU, Magister Manajemen Teknologi, ITS Surabaya
- 2013: Karyawan Berprestasi, Widya Kartika University
- 2013: Penganugerahan Lencana “Widya Kartika Wira Ksatria Utama” SK No.: 027/UWIKAS/II/2013, Sertifikat No. 03/PS/II/2013
- 2012: Pemenang Dosen Berprestasi Kopertis wilayah 7 Surabaya
- 2011: Penghargaan “Predikat Andalan” Lemhannas RI, PPRA 46/2011





# COLLABORATIVE HONEYNET THREAT SHARING PLATFORM

Dr. Charles Lim, BSc., MSc., CTIA, CHFI, EDRP, ECSA, ECSP, ECIH, CEH, CEI

The Honeynet Threat Sharing Platform is designed to collect, categorize, and distribute cybersecurity threat information from malicious traffic discovered in partner “honeypots” all around the world. With the continuous rise of cyber security threats, monitoring security potential threats and attacks become essential to plan for cyber defense.

Honeypot, a decoy system designed to lure attackers, has been used to track and learn attacker’s behavior. Collecting attacker’s interactions with honeypot at different locations inside different organization’s premises provide a useful and more complete picture of the landscape of current cyber security threats. The log of the attacks to the honeypots has become an essential cyber security threat information that could be shared to many of the security incident analysts at different organizations to provide relevant and contextual threat intelligence.

The goal of this project is to develop and implement a collaborative honeynet threat sharing platform that could collect, store, add contextual information pertaining to the threat and share this threat information to the relevant organization. This project continues on the previous year project with additional type of honeypots being added to the collection of honeypot sensors. In addition, new types of threat

categories, threat purpose and threat phases are added to define more fine-grained secure shell (ssh) attacks seen in our honeypots.

With the new public dashboard now ready for public view, our hope is more organizations in Indonesia as well as organizations in ASEAN countries would participate in the project in a collaborative effort to share and exchange threat information, which potentially could be used as a cyber defense platform for each of the participating organizations.

The project achieved the following objectives:

1. Develop a collaborative repository platform for storing honeynet-based threat information. The project allows any individual or organization to participate in a community-based threat information sharing based on the honeynet system. There are 4 honeypots currently implemented, i.e., cowrie, Dionaea, Elastichoney, and conpot.
2. Redesign and develop a more robust repository and visualization platform that allows security analysts to add and enrich existing security threat information with the results of the analysis of the security events or objects related to the events. The robust repository platform utilized the cluster database of MongoDB while the visualization platform also uses cluster setup to distribute search tasks over cluster servers, improving overall user experience of using the platform.
3. An enhanced platform that allows organizations to share and exchange security threat information with other organizations. The platform enables the threat information to be exchanged with the cyber security community through TAXII services in a standardized format or through open-source threat intelligence Malware Information Sharing Platform (MISP).

The project was led by the Charles Lim, from Swiss German University (SGU) and builds on years of collaboration to support the Honeynet project Indonesia Chapter (IHP), in partnership with the Ministry of Communication and Informatics (KOMINFO) and Badan Siber & Sandi Negara (BSSN). It is also an expansion of a previous ISIF Asia grant allocated in 2019.





## GALLERY EVENT



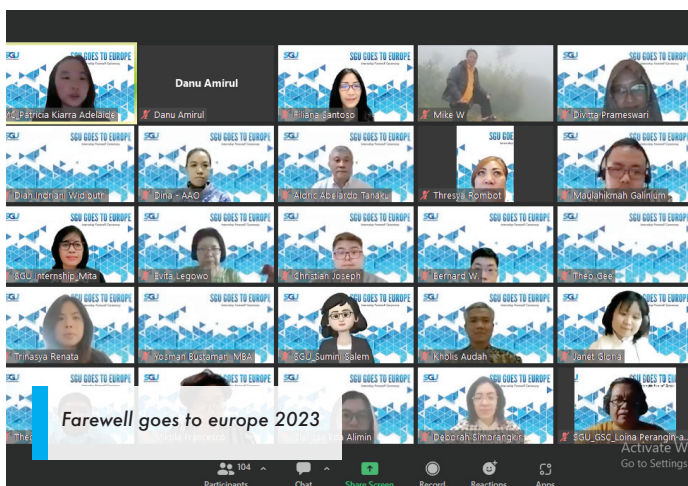
Global Youth Leadership Program to South Korea 2022



MME Excursions to PIDI 4.0 2022



MME visit to PPI, 7 November 2022



Farewell goes to europe 2023



Contract Signing Central Research Fund (CRF), Central Community Service Fund (CCSF)





Lepas Sambut VR 1 2022



Workshop on Mechatronics 2022



Seminar Global Career at Cipura Mall 2022



Alumni Gathering 2022



Media Gathering 2023



Media Gathering 2023



**SWISS GERMAN UNIVERSITY**

*Insight*

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## LET'S GET SOCIAL

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