

IBTE

# IGNITE

JUNE 2020



SEMBADA 188:  
**FIRST  
HARVEST**

COVID-19:  
**THE IBTE  
RESPONSE**



## IBTE Continuing Education and Training



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## TABLE OF CONTENTS

5 Fun In The Sun	12 COVID - 19: Our Response
6 The Sembada 188	16 IBTE News Bites
11 Hengyi - IBTE Roadshow	



A shot of Hengyi integrated Oil Refinery and Aromatics Plant at Pulau Muara Besar (PMB).

The Hengyi project on Pulau Muara Besar is expected in creating about 780 job opportunities. The facility will be producing petroleum products such as gasoline, diesel, Jet A-1 fuel and petrochemical products like paraxylene and benzene. The Hengyi programmes that are conducted at IBTE Jefri Bolkiah Campus, is a three-year programme that comprises of twelve months of institutional-based training at IBTE Jefri Bolkiah Campus, twelve months of institutional-based training at Lanzhou Petrochemical Polytechnic in China; and twelve months of on-the-job training at Hengyi Petrochemical Plant at PMB will be offered employment opportunities at Hengyi Industries.





منجايكنن واوسنن نكارا  
 MENJAYAKAN WAWASAN NEGARA  
 23 FEBRUARI 2020



Our first batch of IBTE students from HNTec AgroTechnology specializing in Rice Industry, spent a day pretending of what it would be like to be paddy farmers in the bygone days during their photoshoot with LIVEWIRE to commemorate the 36th National Day of Brunei.

*The National Day Photoshoot*



*FUN IN THE SUN*





# SEMBADA 188: AGROBIZ

## PADI AGROPRENEUR PROJECT

**USING BEST PRACTICES IN  
MODERN AND SUSTAINABLE  
FARMING, STUDENTS YIELD  
OVER EIGHT TONNES OF  
PADDY PER HECTARE AT  
IBTE AGRO-TECHNOLOGY CAMPUS**

The first batch of 10 Institute of Brunei Technical Education (IBTE) students farming rice under the LiveWIRE AgroBiz Padi Agropreneur Project (AgroBiz) have recorded a yield of 8.5 metric tonnes (MT) of paddy per hectare, one of the highest in the country.

The yield of the planted Sembada188 from the 10-hectare plot at the IBTE Agro-Technology Campus in Kampong Wasan exceeds AgroBiz's target for four to five MT per hectare, and is being attributed to the site's irrigation infrastructure and use of pesticide-free and organic fertilisers which were deployed using modern methods including drones.



Grains collected during the harvest



Using the harvesting machine



Our students happy with their result of their first harvest





Group photo with the GOH Minister of Education, Dato Hamzah



GOH Minister of Education getting further insights from one of the participating students in the programme

LiveWIRE Chairperson and Brunei Shell Petroleum (BSP) In-Country Value Manager Hjh Rosita Hj Hassan said the 10 participating students are also being trained to start their own farming businesses upon completing AgroBiz, which is a new programme for students specialising in rice production under IBTE's HNTec in AgroTechnology Specializing in Rice Industry.

"They (participating) have several options (in the farming value chain) on graduating; they can become farmers themselves, and we are in discussions with the Department of Agriculture and Agrifood to secure them land to farm," said Hjh Rosita. "They can also venture into farming services, such as the operation of drones or developing and selling seedlings and fertilisers."

AgroBiz is targetting five annual cycles of between 10 to 20 students – training up to 100 agropreneurs – before its management is fully handed over to IBTE.

Hjh Rosita added that financing options were available through the LiveWIRE Brunei's Start-Up Funding Scheme – which provides up to \$50,000 in financing that is repayable without interest – and DARE's co-matching scheme – which provides a grant up to \$20,000.

BSP through LiveWIRE has invested over \$2 million into AgroBiz to develop a "complete" value chain for rice planting including a milling facility on-site and a workshop to develop fertilisers in-house.

The lot's irrigation system harvests rainwater from several roofs around the campus channeled into



The 10 participating students for the AgroBiz programme first cohort

**"WE SEE OPPORTUNITY IN THIS INDUSTRY AS NOT MANY HAVE PURSUED IT, AND WITH THE SUPPORT OF THE PROGRAMME AND THE ENCOURAGEMENT HIS MAJESTY HAS GIVEN TO THIS SECTOR WE BELIEVE WE CAN ESTABLISH OURSELVES AS YOUNG ENTREPRENEURS,"**

**MUHD AZIZAN ALI HJ MOHD AZLAN, STUDENT, HNTec AGROTECHNOLOGY, SPECIALIZING IN RICE INDUSTRY.**

a reservoir, and is also connected to a river to address overflowing from flooding during wetter seasons. Drones are used to spray fertilisers increasing consistency and speed.

AgroBiz's harvest will be sold to supermarkets; their pesticide-free Sembada188 will be sold at \$1.80 per kg and their next target variety to plant, Titih, will be farmed completely organic and will retail for \$3.50 per kg.

AgroBiz's appointed project manager Hj Arine Hj Budin from LNS Trading & Construction said students will farm two cycles of paddy during the year-long programme. They will also be taught to plant other cash crops such as chilli and melons.



Blessing of the harvesting ceremony



Bringing the guests to the grain dryer machine

"The course is comprehensive covering land selection, to land preparation, leveling, treatment of soil, preparation of seeds, planting, treatment, harvesting and milling," he said. "Our hopes are very high for this programme; farmers are aging in Brunei, and there need to be more young talent in this field to continue to grow the industry."

Participant Muhd Azizan Ali Hj Mohd Azlan said his batch is looking to establish a single company or complementing group of companies in which each of the 10 graduates would oversee a different area in the agricultural industry.

By Azli Azney, BIZ BRUNEI



# WYSD

## WORLD YOUTH SKILLS DAY

UNESCO  UNEVOC

15 JULY 2020



# for a resilient



Photos from flickr.com/unevoc  
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## HENGYI

### Hengyi Industries conducts IBTE – Lanzhou Scholarship Programme Roadshow



Hengyi Refinery at Pulau Muara Besar



Hengyi Industries Sdn Bhd held a Scholarship Introductory Programme Roadshow in collaboration with Institute of Brunei Technical Education (IBTE) and Lanzhou Petrochemical Polytechnic College for the 3rd batch enrolment, which took place from 18 November 2019 to 26 February 2020 in three districts of Brunei Darussalam starting from the Belait District, Tutong District, and ending in the Brunei-Muara District.

The aim of the roadshow is to introduce Hengyi Industries' IBTE – Lanzhou Petrochemical Polytechnic College Scholarship Programme to students, and provide opportunities to qualified 'O' Level students to be a part of Hengyi Industries as future Refinery Operators.



During the roadshow, Hengyi and IBTE visited schools around Brunei and conducted slide presentations which introduced the students to the scholarship programme, before following up with a question and answer session. Over the course of the roadshow, over 1000 students from 19 schools have attended the event.

The scholarship is a three-year programme where the students will undergo 12 months of institutional-based training at IBTE Jefri Bolkih Campus, Kuala Belait; 12 months of institutional-based training at Lanzhou Petrochemical Polytechnic College, China; and 12 months of on-the-job-training with Hengyi Industries at Pulau Muara Besar (PMB). Upon completion of the programme, the scholars will be offered an employment at Hengyi Industries.

By HENGYI INDUSTRIES SDN BHD



# COVID -19:

The first reported positive case in Brunei happened on the 9th March, after that, it was a series of daily press conferences for the nation on news and updates of rules and policies in order to flatten the curve, help the population and business communities, to ensure everyone's safety, and minimizing the disruption of our economy. During the months when the pandemic had started, this was what happened in IBTE

**9 March** - The first confirmed positive case was announced during a press conference by the Minister of Health.

**16 March** - Starting of daily on going reporting of cases in IBTE to Ministry of Education.

**24 March** - April Intake for Deck Rating and Engine Rating programmes starting date have been postponed to September.

**28 March** - Official announcement of all IBTE premises closed to the public. All communications via calls and emails, list of contacts were shared on all IBTE social media platforms. As well as outside of the main entrance of IBTE HQ.

Business Continuity Plan (BCP) is in effect, all personels are to have flexible working arrangements.

Those who were identified as high risk are to work from home (WFH) with daily reporting to their respective heads at the end of each day.

**30 March** - Students back to learning via online after mid semester break. Any practicals were postponed or instructors accomodates small numbers of students at a time to attend for practicals only for students who were able to.

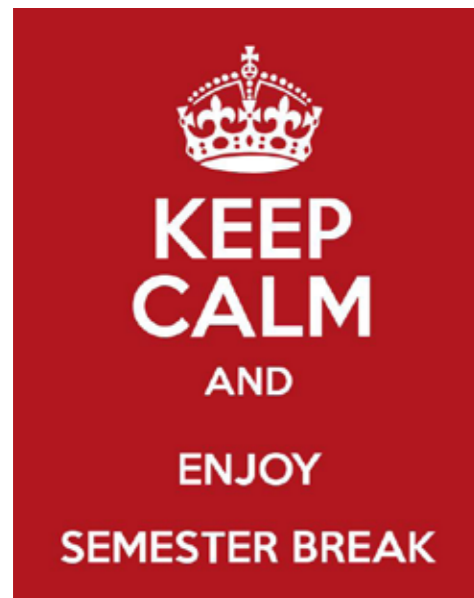
**31 March** - Official announcement of all IBTE students industrial attachment start date have been postponed for 30 days subject to the development of the Covid - 19 situation in the country.

**10 March** - Mid semester break started with immediate effect as oppose to 16 March as stated by Ministry of Education.

**19 March** - All IBTE Continuing Education & Training (IBTE CET) short courses are postponed.

**24 March** - Diploma in Refinery Operator April Intake start postponed and moved to August, second round application for the same intake was opened giving more opportunity for the public to apply to the programme.

**3 April** - An initiative by School of Hospitality and Tourism staff and students to service food for the Frontliners and Health care workers at National Isolation Centre in Tutong. It was an honor to also serve the rice that was the 1st harvest of Sembada 188 rice grown by the students from School of AgroTechnology and Applied Sciences under the AgroBiz project supported by LiveWire.



*"In a crisis, there is also an opportunity for meaningful collaborations. Livewire Agrobiz and IBTE School of Hospitality & Tourism worked together to prepare hot meals daily for the healthcare frontliners using locally grown pesticide-free rice from the Agrobiz first harvest. This initiative is a small way of thanking the healthcare workers for their hard work and commitment in managing the outbreak. The Sembada 188 rice was harvested recently and is a successful outcome of the Agrobiz Padi Agropreneur Scheme by IBTE and supported by LiveWIRE Brunei. Aside from contributing to the greater good, it is also an opportunity for the students to hone their culinary skills, to be more creative and improve their techniques.*

*Hjh Rosita Haji Hassan, Chairperson of LiveWIRE Brunei said, "LiveWIRE AgroBiz is so grateful to have the opportunity to contribute to frontline workers. 600Kg of rice from the Agrobiz first harvest at the IBTE AgroTech Campus in Wasan is used to prepare 300 hot meals daily. The food is prepared by the IBTE student chefs at the IBTE School of Hospitality & Tourism central kitchen in Jalan Muara."*



Extract from BSP CARES FOR THE COMMUNITY, April 2020





**7 May** - Interview sessions for applicants who were short listed for the July 2020 Intake. Due to the COVID-19 situation in the country, precautions were taken to ensure the safety of the applicants as well as IBTE personnel. The interview session were spread out over a three-week period, all applicants had been allocated a time and date to attend the interview. On the day of an applicant's interview, temperature checks were taken and a health declaration form were filled in at every entrance before the applicant was allowed to head to the holding room where all of their original documents were to be checked against what the applicant had inputted in their respective TVECAS form, and the applicant then waited for their turn before heading to the interview room. This applied throughout all IBTE Campuses.



Patrolling the corridors

Gathering daily health status

Assisting MOH personnel with gathering swab testing samples

## VOLUNTEERING DURING THE PANDEMIC

During this pandemic, people of the nation have stepped up to help with some of the basic tasks, freeing up our health professionals to be deployed where they are needed most. A number of IBTE officers and instructors, as well as IBTE students during the semester break, volunteered to help out during the pandemic. They were stationed at various quarantine centers, hospitals and clinics around the country. Cikgu Johari of the Estate and Campus Development Division, IBTE HQ, shared what his tasks involved at a quarantine center. These centers accommodate those who came back from overseas and needed to be isolated for two weeks before they could go back to their families. His daily tasks is to assist by gathering data of the health status of those currently undergoing quarantine, patrol the hotel corridors to ensure nobody breach the quarantine order, as well as assist MOH personnel with the swab testing of those quarantined.

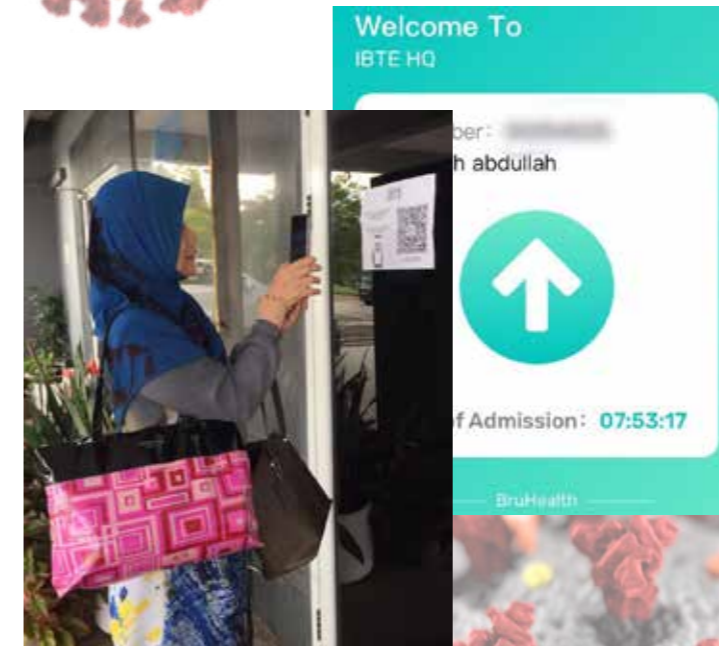
**13 April** - AITI with Ministry of Education had a donation drive for the public to donate devices to support students in need with their online learning. IBTE became host and staff and students from School of Information and Communication Technology volunteered to help receive and check the donated devices.



**20 May** - Donations from IBTE Jefri Bolkiah campus staff and students for the frontliners of the Isolation Centre, Pengiran Muda Mahkota Hospital in Tutong, received by the Hospital Director Tuan Md Danil.



**28 May** - Implementation of QR Codes for all IBTE Premises, this is to enable Ministry of Health to easily trace the population in the event of a break out.



**2 June** - First phase of deescalation, after Hari Raya Aidilfitri break, 20% of students in schools. Only students who had assessments and practicals are to attend campus until semester break 18 June.





# IBTE NEWS BITES



IBTE welcomed 186 new students for its January 2020 Intake. The programmes offered were HNTec in Automobile Technology, HNTec in Telecommunication Systems, HNTec in Electronics and Media Technology, HNTec in Electronic Engineering, HNTec in Hospitality Operations, HNTec Travel and Tourism, and for Ntec Apprenticeship in Professional Cookery and Services, Ntec in Culinary Operations and Ntec in Rooms Division Operations. All programmes were for schools under the IBTE Central Campus.



In February 2020 at Refrigeration and Air-Conditioning Workshop, IBTE SBC, the Brunei Darussalam National Skills Competition was held. Ntec in Refrigeration and Air-Conditioning semester 4 on job training students, Muhammad Abdul Hasim bin Roslan won 1st place and Mohd Nazeem bin Hasnan won 2nd place while 3rd place goes to Muhammad Ashrafuddin bin Bakeri. The 1st and 2nd place winners will represent Brunei in the World Skills ASEAN Competition in Singapore that was suppose to be held this July but is postponed to April 2021.



An instructor from SEES, IBTE SBC, Ms. Sarinah binti Ziziumiza showcased her group VR project chosen by DST during DevFest in November 2019 representing Google Developers Group (GDG) to Minister of Communications during DST's Innovation Lab Launch in February 2020 at DST Headquarters. GDG are a group of developers who are interested in technology- everything from the Android, App Engine, and Google Cloud platforms, to product APIs like, to industrial revolution 4.0 technologies like Tensorflow Machine Learning and Google IoTcore for developing smart devices.



35 students and 4 instructors from the School of Hospitality and Tourism doing the National Heritage Module for HNTec in Travel and Tourism went on an educational tour in February 2020. One of the aim of the tour was to expose the students to the Bruneian Culture and give the students the rare opportunity to see Brunei's endangered Proboscis Monkeys. The students also visited the Cultural and Tourism Gallery and cruised along the Brunei River.



Two final year students from the IBTE School of Hospitality and Tourism left end of January 2020 to undergo their 5-months International Industrial Attachment at the Grand Hyatt Hotel Kuala Lumpur. They are the second cohort to undergo the School's International Industrial Attachment at the Hotel.



Final year students from Diploma in Marine Engineering went on an educational tour of an A-Class vessel 'Arkat' owned and managed by Brunei Gas Carriers. The students were familiarizing themselves with onboard ship operations and activities onboard the ship, as well as exploring the various types of machineries that can be found onboard. This gave the students the opportunity of what it is like to be on a vessel before going on their onboard ship in the near future.



Another successful IBTE Open Day event was held across all campuses last February. This was an opportunity for future applicants who are interested in pursuing technical education by giving them first hand view of what the teaching and the environment will be like for their studies. Open Day was also open to the public, where family and friends were taken on campus tours to better understand the future path their children will pursue.



In January 2020, IBTE received a courtesy visit from the Executive Director of Sarawak Skills Development Centre, Mr Hallman bin Hj Sabri and CEO of International College of Advance Technology Sarawak, Mr Mohamad Isham bin Fauzi. Receiving them were IBTE Acting CEO, Dr Zamri bin Sabli, IBTE Deputy CEO (Academic), IBTE Deputy CEO (Corporate), Head of International Industrial Linkages Division, Head of Corporate Affairs Division, and Head of Corporate Communications. An enlightening and fruitful discussion was had by all and exchange of souvenirs to remember the visit by.

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