SEAMEO Regional Open Learning Centre

SEAMOLEC INFO

Teachers’ Favorite
SEAMOLEC In House Training Programme

P.05 SEAMOLEC participated in the workshop held by SEAMEO RETRAC in Vietnam

P.15 Training on AR-based Learning Media Development
SEAMOLEC develop the latest learning media using Augmented Reality (AR) for Beginner

P.18 SEAMOLEC Training on Digital Learning Material Development
Greetings and regards from SEAMEO! You are now reading our SEAMOLEC Info August 2019 edition which covers the activities of the centre within April to July 2019. These past four months have been a very exciting period for us at SEAMOLEC with all activities resulted from our partnership building with various educational institutions earlier this year.”

The centre has been actively conducting face to face trainings/workshops as one of its core tasks, among others; (1) Training of Trainers for Digital Simulation Subject in Gowa, South Sulawesi, (2) Training on Interactive Learning Media Development in Jember, East Java, and in Lubuklinggau, South Sumatera, (3) Training on ICT-based Learning Media Development in Kediri, East Java, and (4) Training on Augmented Reality (AR)-based Learning Media Development for Beginner in Jakarta, and Gorontalo. The topics of SEAMOLEC Training are designed to improve ICT skills of teachers and to enable them in integrating it to their teaching and learning activities. Keep on reading this magazine to know the details of each trainings.

SEAMOE SEAMOLEC also provides alternatives of training which aim to update ICT skills of its participants. In-House Training (IHT) is one type of SEAMOLEC training programmes which is held usually during the weekend, in face-to-face mode, and located at SEAMOLEC office. Various materials are provided differently during each batch of IHT. It has become one of SEAMOLEC’s most frequently requested programmes by our followers in social media accounts.

As for International programmes, SEAMEO SEAMOLEC in collaboration with the Ministry of Education Youth and Sport of Cambodia and SEAMEO Technical Education Development (TED) organized a Training of Trainers on ICT-based training for Cambodian teachers. To contribute to the cooperation of SEAMEO Centres family, the centre participated in the Regional Workshop on Teacher Competency Framework, Teachers’ Satisfaction and Motivation held by SEAMEO RETRAC, Vietnam to share experiences and reflections towards educational human resource development in Southeast Asia. In addition, SEAMOLEC also contributed report of data related to initiative programme and implementation within SEAMEO Strategic Plan regarding SEAMEO Integrated Information System during the Regional Workshop on SEAMEO Strategic Plan (2011 – 2020) to further development plan of SEAMEO.

As it is our belief that everyone should be able to have basic learning opportunities, including those who live in remote areas, SEAMOLEC has worked together with the Office of the Ministry of Education and Culture for East Bolaang Mongondow Regency, one of Indonesia’s remote areas, to implement SIERRA device as the learning model that could be applied.

To strengthen its network and establishing new partnership, SEAMEO SEAMOLEC undertakes its routine programmes, such as opening itself for visitation from its partners, participating in various exhibition forum, and conducting of MoU and MoA signing for future partnership with other educational institutions. You may find all the details of each activity in this newsletter. Should your institutions interested to be SEAMOLEC’s partners, please do not hesitate to contact us.

I hope this edition of SEAMOLEC Info will be beneficial to the readers. We will do our best to continue implementing more relevant programmes and present to our readers in the next delightful newsletter. In the end, I wish to compliment all the members of the Editorial Board for their dedicated efforts in bringing out the completion of this SEAMOLEC Info.

Have a good day!
Wassalamualaikum Warrahmatullahi Wabaraka'atuh.
SEAMEO Regional Open Learning Centre (SEAMOLEC) held the ToT for Digital Simulation subject for 6 days started on April 29 to May 4, 2019, which aimed to prepare more trainers to teach the subject. The training programme was held at the Center of Teachers Development for Marine, Fishery, and Information Communication Technology (ICT), also known as LPPPTK KPTK, Gowa, South Sulawesi. LPPPTK KPTK Gowa is one of technical service units under the Ministry of Education and Culture (MoEC) of Indonesia provided for teachers and education personnel, especially those who teach subjects for Marine, Fishery and ICT.

There were 60 participants joining in this programme, consisting of teacher trainers from various fields of Centers of Quality Improvement for Teachers and Education Personnel. With 10 trainers from SEAMOLEC as resource persons, instructors, and facilitators.

Digital Simulation is a compulsory lesson for grade 10 students of vocational high school of all majors, especially for schools that implement the 2013 curriculum. The content on this subject does not only teach how to use tools related to communication technology, but also has more focus on how students can explore and communicate ideas into a clear and valuable concept.

In this training programme, the Digital Simulation materials were presented under 3 main scopes; Digital Information Management, Online Communication and Collaboration, and Concept Visualization namely:

1. Basic Concept, Exploring Ideas, Digital Simulation Algorithm
2. Microsoft Office and E-Book
3. Virtual Class
4. Video-based Concept Visualisation
5. 3D-based Concept Visualisation
6. Introduction to AR-based Concept Visualisation
7. Pre/Post, Follow up Action
8. Reinforcement of Zone-based Learning Competence Improvement

Participants were actively involved in discussion with instructors, especially in particular materials such as Video-based Concept Visualisation where they were requested to directly practicing. Participants were divided into teams consisted of 3 people to create videos with selected topics around the area of LPPPTK KPTK gowa.
In collaboration with the Ministry of Education Youth and Sport of Cambodia and SEAMEO Technical Education Development (TED), SEAMEO Regional Open Learning Centre (SEAMOLEC) organized a Training of Trainers (ToT) on ICT-based training for Cambodian teachers. The training was conducted on May 23 - 26, 2019 at Angkor High School, Siem Reap Province, Cambodia with 40 Cambodian teachers as participants.

The programme was designed to provide teachers with advanced ICT skills in delivering online training using SEAMOLEC’s MOOC as the platform and developing digital learning content. The objectives of the training are; to understand the concept of SEAMOLEC MOOC and to be familiar with its tools, to be able to write syllabus for MOOC, and to be able to conduct video conference session.

There are still 2 more continuing programmes of this training, which are; Online training on “Whiteboard Animation” through SEAMOLEC MOOC, and Face to Face Training on “Digital Learning Content Development” at SEAMOLEC office, Jakarta, Indonesia. Both programmes were planned to conduct within June - July 2019.
SEAMEO RETRAC as the leading centre for research on factors of teachers’ motivation and how to link the comparative research with Teacher Competency Framework that enhances teacher satisfaction and motivation in Southeast Asia continued its follow up actions after the SEAMEO Council approved the Southeast Asia Teachers Competency Framework (SEA-TCF) to be used for teachers in the region.

SEAMEO RETRAC invited the representatives from 11 SEAMEO member countries to share their experiences and lessons learned in the implementation process of SEA-TCF. The activity was titled as “Regional Workshop on Teacher Competency Framework, Teachers’ Satisfaction and Motivation”. The workshop was held on April 18-19, 2019 at SEAMEO RETRAC, Ho Chi Minh, Vietnam.

The participants were from Cambodia, Indonesia, Malaysia, Philippines, Singapore, and Thailand. Representatives from SEAMEO Centres; SEAMEO CELL, SEAMEO RECSAM, SEAMEO SEAMOLEC, SEAMEO QITEP in Science, and SEAMEO Secretariat were also invited to join. Research and Development staff, Mr. Dona Octanary participated in this event as SEAMOLEC representative.

The workshop identified what elements from the SEA-TCF contribute to teachers’ motivation, and at the same time, it identified other factors that will bring about teachers’ satisfaction in Southeast Asia context. The activities were also conducted to validate the instrument in order to find out about teachers’ satisfaction and motivation in Southeast Asia. Each representative was asked to distribute the instrument to the teachers in their respective countries.
One of the best ways for SEAMEO SEAMOLEC to socialize its flagship programmes directly to the stakeholders is through participation in exhibitions. The Centre was invited to various exhibitions and expo events in education and technology. It is a chance to allow direct participation from the exhibition visitors to try SEAMOLEC’s innovation results, such as; experiencing Augmented Reality, Virtual Reality, and Digital Museums, or registering to SEAMOLEC online trainings.

### Participating in Industry 4.0 Exhibition

Vocational education is expected to bring a better future for Indonesia during the wave of industrial revolution 4.0. At the same time, the digital era promises great opportunities for Indonesia’s millennial generation who are dynamic and creative. Therefore, the future generation of the nation must be equipped with creativity and productivity in order to compete globally.

SEAMEO SEAMOLEC in its role to support the 21st century skill and industry 4.0 in the vocational field, assisted the Directorate of Technical and Vocational Education (DTVE) of the Ministry of Education and Culture (MoEC) of Indonesia by participating in DTVE’s Industry 4.0 Exhibition. In this exhibition SEAMEO SEAMOLEC introduced and displayed the use of technology in industry 4.0; Augmented Reality (AR), Virtual Reality (VR), Internet of Things (IoT) and Tourism Promotion Video.

This exhibition was held on April 24-25, 2019 at Grand Arkenso Parkview Hotel, Semarang City, Central Java. The exhibition also coincided with the dissemination of teaching factory programme and Referral Vocational Schools conducted by DTVE. Participants were mostly school principals from all over Indonesia.

After the exhibition, a meeting was held among SEAMOLEC, represented by Mr Alfan Pujo Laksono, with the Coordinator of SEAMEO Centres in Indonesia, Dr Gatot Hari Prawirjanto, and Head of Subdistrict Curriculum of DTVE, Mr M. Widiyanto. The meeting discussed about the competition plan for Vocational Schools, adopting the SEA Creative Camp competition that was held by SEAMEO Secretariat, and there was a competition for SMK, named Kamp Kreatif SMK Indonesia (KKS).

### Exhibition in the 10th Anniversary Celebration of 3 SEAMEO QITEPs

In celebrations the 10th Anniversary of SEAMEO QITEP in Language (SEAQIL), SEAMEO QITEP in Mathematics (SEAQIM), dan SEAMEO QITEP in Science (SEAQIS), the three centres hold a National Seminar with the theme of “Strategies for Language, Mathematics, and Science Learning with Higher Order Thinking Skills (HOTS) Orientation” on Monday, July 15, 2019 at the office of the Ministry of Education and Culture, Senayan, Jakarta. Back to back with the seminar, an Exhibition event was also held by 7 SEAMEO Centres in Indonesia.

In the exhibition, SEAMEO SEAMOLEC participated by opening a booth to promote its flagship programmes, such as Online Training and In-House Training which are opened for teachers, students, lecturers, and public. SEAMOLEC also introduced the current technology used as learning tools, such as Augmented Reality (AR) and Virtual Reality (VR). Visitors were very interested in experiencing and using the technology as well as registering to SEAMOLEC Online Training and receiving exclusive souveniers from SEAMOLEC.
The 2019 Award for Teachers and Education Personnel of Early Childhood Care Education (ECCE)

The 2019 Award for Teachers and Education Personnel of ECCE in 2019 is a national-level awarding programme for ECCE teachers and education personnel who have devoted themselves and played active roles in the implementation of ECCE learning and management. This programme was held back to back with Exhibition event on June 23-28, 2019 in Pangkalpinang, Bangka Belitung Islands Province.

SEAMEO SEAMOLEC was invited by the Centre for ECCE and Community Education (PP PAUD DIKMAS) of DKI Jakarta Province to contribute in the exhibition. The main objective of this collaborative expo was to introduce and promote Industry 4.0 learning media based on Augmented Reality (AR) and Virtual Reality (VR) technology in order to support teaching and learning process which eventually will advance ECCE in Indonesia and Southeast Asian countries.

This 5-day exhibition was held at Merdeka Square, Pangkal Pinang, Bangka Belitung Islands Province. The activity began with ceremonial opening by the Director General of Teacher and Education Personnel (TEP) of the Ministry of Education and Culture (MoEC) of Indonesia and the Deputy Governor of Bangka Belitung Islands Province. The Deputy Governor and Director General of TEP visited SEAMOLEC-PP PAUD DIKMAS’ exhibition booth and tried the AR/VR-based digital learning media. They were greatly appreciated and asked to implement the technology immediately in ECCE schools of DKI Jakarta Province.

Participating in this event has brought more heterogeneous groups to SEAMOLEC-PP PAUD DIKMAS’ exhibition booth as it was located in a great venue. This event was also used to socialize the latest programmes in SEAMEO SEAMOLEC such as MOOC and digital learning materials based on AR/VR technology to the public, especially to educators, students and visitors who visited the exhibition. Visitors to the exhibition were dominated by ECCE teachers who were interested in trying out this new learning technology.

Celebrating Indonesian National Education Day (HARDIKNAS) 2019

In celebrating Indonesian National Education Day (HARDIKNAS) 2019, the Ministry of Education and Culture (MoEC) of Indonesia held the Education and Culture Week which was officially opened by the Minister of Education and Culture, Prof. Dr. Muhadjir Effendy, M.A.P on Friday April 26, 2019 at MoEC office, Jakarta. The event was marked by the release of hundreds of birds by the Minister together with the officials and staff of MoEC, teachers, and students of basic and secondary education.

Various activities were conducted in the Education and Culture Week, one of them is Scholarship Exhibition, which provided information regarding scholarships to study abroad, opportunities for short course, and exchange programmes. SEAMEO Regional Open Learning Center (SEAMOLEC) participated by opening a booth to promote its flagship programmes, such as Online Training and In House Training which are opened for teachers, students, lecturers, and public.

At that event, SEAMOLEC also introduced the current technology used as learning tools, such as Augmented Reality (AR) and Virtual Reality (VR). Visitors were very interested to experience and use the technology as well as registered SEAMOLEC Online Training, and they were excited to receive exclusive merchandises from SEAMOLEC.

In the morning of April 27, 2019, SEAMOLEC Director, Dr. Alpha Amirrachman also joined the Interactive Talk Show hosted by MoEC. He presented about SEAMOLEC Online Training and Competition towards Education 4.0 Era, and shared the session with the Coordinator of 7 SEAMEO Centres in Indonesia, Dr. Gatot Hari Priowirjanto.
SEAMOLEC has received numbers of visitations from institutions in which participants are ranging from teachers, lecturers, students, and officials. To maximize the objective of the visit, SEAMOLEC organizes staff to provide information on about the Centre’s programmes to meet the needs of the visitors.

Universitas Lambung Mangkurat

On March 29, 2019 SEAMEO SEAMOLEC received visitation from the Faculty of Education of Universitas Lambung Mangkurat, Banjarmasin. There were 47 bachelor degree students of Education Technology Department, accompanied by 5 lecturers attended the event. Mr. Yoni Utomo, SEAMOLEC’s Deputy Director for Administration gave a warm welcome to all students and lecturers. He informed them that SEAMEO SEAMOLEC is the right place for them to learn about Information and Communication Technology (ICT) integration into teaching and learning process.

After that the session was filled by materials from Training Division delivered by Mr. Timbul Pardede about Education Technology, ICT and Learning Design; and from IT Content Division, Mr. Puryanto explained about ICT-based learning and SEAMOLEC Online Training through Massive Open Online Course (MOOC) platform.

SMKN 1 Depok

SEAMEO SEAMOLEC welcomed a big group of 74 participants from SMKN 1 Depok, including students of software engineering department and the teachers, on Tuesday, April 9, 2019. They were received by Mr. Yoni Utomo, SEAMOLEC’s Deputy Director for Administration and Mr. Timbul Pardede, Training Expert. During the short visit, all participants were explained about ICT applications which aimed to enrich the learning process and were developed by SEAMEO SEAMOLEC. They were also invited to try various topics of online course available at SEAMOLEC’s MOOC for free.

Universitas Islam Nusantara

SEAMEO SEAMOLEC receives visitations from all levels of education, from basic to higher education institutions. On Thursday, April 25, 2019 the Centre was visited by 24 students and lecturers from Doctoral degree program of Universitas Islam Nusantara, Bandung. The main objective of their visit to SEAMEO SEAMOLEC was to have an observation and sharing session regarding quality management information system for education.

The visitors were warmly welcomed by Mrs. Prakaikan Schneitz, SEAMOLEC’s Deputy Director for Programme, and Mr. Yoni Utomo, SEAMOLEC’s Deputy Director for Administration. Mr. Timbul Pardede, SEAMOLEC’s Training Expert shared information about Open and Distance Learning (ODL) Clearinghouse in SEAMOLEC, and Mr. Puryanto from IT Content Division explained about the ICT platforms developed by SEAMEO SEAMOLEC to assist the main units in the Ministry of Education and Culture (MoEC).
I-Tech Computer Course Lampung

There were 30 participants from I-Tech Computer Course, Lampung visited SEAMEO SEAMOLEC on Friday, May 3, 2019. They were received by Manager of IT Content, Mr. Abdul Rizal Adompo, and Manager of Marketing and Publication, Ms. Aline Almandha. I-Tech Computer Course Lampung was one of 5 Training and Course Institutions officially piloted by the Directorate of Courses of MoEC to implement online course programmes. During the visit, participants were informed about the conducting of SEAMOLEC Online Training programme and its assistance to the Directorate of Course of MoEC.

Center for Early Childhood Care Education and Community Education (P3PAUD DIKMAS) for DKI Jakarta Province

SEAMEO SEAMOLEC received visitation from the Center for Early Childhood Care Education and Community Education (P3PAUD DIKMAS) for DKI Jakarta Province on May 21, 2019. There were 6 officials of P3PAUD DIKMAS came to SEAMOLEC’s office to see and get explanation regarding SEAMOLEC’s tools and technologies that are usually being displayed in the exhibition.

Mr. Alfan Pujo Laksono and Mr. Amirrudin Rhomadoni, from IT Content and Knowledge Management Division gave the demonstration and explanation about Augmented Reality (AR) and Virtual Reality (VR). P3PAUD DIKMAS was interested and invited SEAMEO SEAMOLEC to join the exhibition on early childhood education and community education in Bangka Belitung province by the end of June 2019.

Universitas Jember

On Tuesday, July 2, 2019 SEAMEO SEAMOLEC received 72 guests who are students and lecturers from the Faculty of Computer Science of Universitas Jember. They were welcomed by SEAMOLEC’s Deputy Director for Administration, Drs Yoni Utomo who expressed his appreciation for the visit of Universitas Jember to SEAMOLEC to learn about the innovation in technology initiated by the centre.

The sharing session was divided into two parts. The first session was information about the ICT based learning developed by SEAMOLEC and the implementation of supporting tools to SEAMOLEC’s programmes delivered by the Training Expert, Mr Timbul Pardede. He mentioned that the ICT-based learning is not only about the technology, but it is more about the power of ICT that makes students willing to learn”. The second session was carried out by SEAMOLEC’s IT Content and Knowledge Management Officer, Mr Aji Wicaksono who presented a demo of SEAMOLEC’s Massive Open Online Course (MOOC) system and Learning Management System (LMS).

Institut Sains dan Teknologi Nasional (ISTN)

The visit to SEAMOLEC by Institut Sains dan Teknologi Nasional (ISTN) on July 11, 2019 was the first visit ever made by ISTN. There were 50 students majored in Information System who had the opportunity to share with SEAMOLEC IT Network and IT Content divisions. They were welcomed by SEAMOLEC’s Manager of Marketing and Publication, Ms Aline Almandha on behalf of the Board of Directors.

Officers of the two mentioned divisions shared about IT system utilization developed by SEAMOLEC in response to the industrial revolution 4.0, among others; Internet of Things (IoT), Augmented Reality (AR), and Virtual Reality (VR). There was also a session of demo for AR/VR where the visitors were allowed to try the technologies by themeselves.
SEAMOLEC and Partners

Institute of Health Science (Sekolah Tinggi Ilmu Kesehatan (STIKES)) Banten

SEAMOLEC and STIKES Banten established a cooperation network to strengthen the human resource development, especially for health education in Banten. There were several coordination meetings have been conducted on April and May 2019 in STIKES Banten and SEAMOLEC’s office.

The first meeting was conducted in STIKES Banten on April 2019 attended by the management of STIKES Banten and a team from SEAMOLEC Community Partnership Division. The meeting participants discussed the opportunity of cooperation between the two institutions and learned more about each other profile. This meeting was followed by a visit to SEAMOLEC office by the management of STIKES Banten led by Mr. Riksa as vice chairman of the board. This visit was resulted in the agenda of Memorandum of Understanding (MoU) signing ceremony.

The MoU signing ceremony was conducted on May 7, 2019 at SEAMOLEC office, signed by Director of SEAMOLEC and Chairman of STIKES Banten Foundation, and attended by management of both respective institutions. Both sides also agree to conduct training programmes for STIKES Banten lecturers and teachers within June-July. The detailed agenda was finalised by SEAMOLEC Training Manager and the vice chairman of STIKES Banten.

Shinta VR

SEAMOEO SEAMOLEC in cooperation with Shinta VR provided workshops and trainings for Indonesian educators in developing learning materials using Virtual Reality (VR) technology. Shinta VR is one of VR companies in Indonesia that is affiliated to Indonesian Creative Economy Agency or Badan Ekonomi Kreatif (Bekraf RI) which produces VR simulation and visual properties for education.

Other joint programmes between SEAMOEO SEAMOLEC and Shinta VR are to enrich OER contents for SEAMOLEC’s MOOC, and to develop VR syllabus for SEAMOLEC’s online training. Both institutions agreed to formalize the cooperation by having an MoU signing where the ceremony took place in SEAMOLEC office on May 6, 2019.

Universitas Islam Nusantara (UNINUS)

Harmonising higher education and research is one of the Southeast Asian Ministers of Education Organisation (SEAMEO) seven priority areas which SEAMEO Regional Open Learning Centre (SEAMOLEC) also takes part in. Over the years SEAMOLEC...
has developed and maintained collaboration and good cooperation with various universities/institutes/polytechnics within the region in order to strengthen them as higher education institutions and later encouraged them to collaborate with secondary education to embrace industry 4.0 era.

On Friday, June 21, 2019 SEAMOLEC and Universitas Islam Nusantara (UNINUS), Bandung conducted an MoU signing located at the Rectorate Office of UNINUS.

The MoU was signed by Dr Alpha Amirrachman, Director of SEAMOLEC and Dr H Suhendra Yusuf, MA, Rector of UNINUS. This event was also attended by Vice Rectors of UNINUS, Dr H Husen Saiful Insan and Dr Gatot Yusuf Effendy, Prof. H Abdorrahman Gintings, PhD, Head of Computer Centre UNINUS Dr Ricky, and two staff of SEAMOLEC Community Partnership, Mr. Yoanda Adana and Mr. Syarif Hidayat.

Dr Alpha said that SEAMOLEC would ensure the continuation and sustainability of the program. "Embracing digital technology is inevitable, we have no choice but to prepare ourselves;" he said.

Dr Suhendra appreciated and agreed, "We will provide our best people to collaborate with SEAMOLEC. We also hope that UNINUS can further nurture its networking with Southeast Asian education institutions and beyond."

The scope of cooperation includes joint programmes, trainings on integrating ICT into teaching and learning, information exchange, expertise sharing, and many more.

The follow up meeting upon the MoU will be conducted at SEAMOLEC’s office to discuss the details of the needs of UNINUS, particularly what services that SEAMOLEC would provide to accommodate the needs. The MoU will last for a 3-year duration from June 21, 2019 to June 21, 2021.

Center for Education Quality Assurance (LPMP) of DKI Jakarta Province

SEAMEO SEAMOLEC signed an MoU with LPMP of DKI Jakarta Province on July 10, 2019 at SEAMOLEC’s office. LPMP of DKI Jakarta is responsible for the quality of education in Jakarta Province in cooperation with the Office of the Ministry of Education for DKI Jakarta. The Head of LPMP DKI Jakarta, Mr Surya Fitri Nurulhuda, SE, Msi attended the signing ceremony and expressed the intention to have mutual cooperation with SEAMEO SEAMOLEC.

The MoU signing ceremony was then proceed with a meeting where both sides agreed to have some joint programmes such as training for teachers, the utilization of video conference media for LPMP DKI Jakarta’s activities, international conference, and cooperation with SEAMOLEC’s partners abroad.

Universitas Pamulang (UNPAM)

Universitas Pamulang (UNPAM) is one of the biggest private universities in Indonesia which provides a relatively low-cost programmes for higher education service, located in Pamulang, South Tangerang, the same area where SEAMOLEC office is located. SEAMOLEC and UNPAM established a formal cooperation through MoU signing on July 17, 2019 at UNPAM campus.

The cooperation between these two organisations will provide the opportunity for UNPAM to be connected with networks in Southeast Asia and beyond through SEAMEO networks. As for SEAMOLEC, the centre will be able to have opportunity in developing models for open and distance learning in higher education level and to facilitate cooperation among SEAMOLEC’s partners.
TRAINING ON INTERACTIVE LEARNING MEDIA DEVELOPMENT IN JEMBER AND LUBUKLINGGAU

SEAMOEO SEAMOLEC in cooperation with Vocational High School 7 Jember conducted Training on Interactive Learning Media Development on June 26-28, 2019. Training participants were teachers around Jember and Lumajang, East Java. The topics of the training included: Presentation Design using PowerPoint, Digital Comic, Whiteboard Animation Based on Digital Learning Material and Development of Teaching Materials by Tutorial Videos.

The training was opened by Mr Lutfi Isa Ashori, the Head of the Office of the Ministry of Education and Culture for Jember and Lumajang region, continued by remarks from SEAMOLEC Deputy Director for Programme, Mrs Prakaikan Schenitz. The overview of the training programme was delivered by Training Division Manager, Mr Renaldo R Nosyafril.

For this training programme, SEAMOLEC designated 9 trainers to facilitate and share materials to 96 participants who were divided into 3 classes. On each day, trainers moved around to cover all materials for participants. After this face-to-face training has been completed, participants can still consult the trainers and discuss with related to the assignments through telegram group platform. Participants were scheduled to present their assignments and be reviewed by the instructor through video conference sessions.

A similar programme was also held in Lubuklinggau, South Sumatera on July 2-4, 2019. The training was conducted at the institute, namely STKIP PGRI Lubuklinggau. Slightly different, in this training SEAMOEO SEAMOLEC delivered materials on Presentation Design using PowerPoint, Whiteboard Animation Based on Digital Learning Material and Development of Teaching Materials by Tutorial Videos. This training was participated by around 182 students from Faculty of Mathematics and Science (Mathematics Education, Physics Education, and Biology Education), also from History Education study programme and several lecturers from the same study programmes.

The training was officially opened by Dr H Rudi Erwandi, M Pd, the Chairman of STKIP PGRI Lubuklinggau and continued by remarks from SEAMOLEC Deputy Director for Programme, Mrs Prakaikan Schenitz. This training applied the same method and arrangement as the one previously held at Jember, East Java, including the face to face training and online consultation schemes.

By the end of the training, participants were expected to be able to make interactive PowerPoint which will be presented in the tutorial video. They also should be able to create digital comics for learning media, create whiteboard animation projects including the storyline and concept maps as a reference, and make tutorial video project starting from shooting, editing and uploading the video to YouTube and Google Drive. Moreover, the information and communication technology (ICT) skills of participants are expected to be increased so that the learning process at STKIP PGRI Lubuklinggau classroom will become more interactive through creative teaching materials.
Socialization on Digital Learning in Remote Areas: Modeling in East Bolaang Mongondow Regency

Pursuing the mission of education for all, the barriers in education should be addressed through the development of innovations in delivery resolved management in education in order to reach and support as many communities as possible. Everyone should be able to have basic learning opportunities, as one of the most important human rights, and this should also be applied to those who live in remote areas.

SEAMEO SEAMOLEC as one of the 26 Centres under the auspices of Southeast Asian Ministers of Education Organization (SEAMEO) focusing in the field of Open and Distance Learning (ODL) has one particular task relating to learning model development. Within the year of 2019, the centre has worked together with the Office of the Ministry of Education and Culture for East Bolaang Mongondow Regency, to implement the learning model that could be applied in the area as a sample of remote areas in Indonesia.

East Bolaang Mongondow Regency is a new district in North Sulawesi Province, evolved from area expansion of Bolaang Mongondow Regency in 2018, with the government center located in Tutuyan area. According to the geographical position, the regency is located on the east coast of Bolaang Mongondow and is 20 km away from Kotamobagu City where has many facilities and adequate infrastructure for schools are there. The location of this regency is quite far from the city center which resulted in limited electricity supply, infrastructure, and internet technology to be used for schools within the area.

Team from SEAMEO SEAMOLEC represented by Mr Abdul Rizal Adompo, IT Content and Knowledge Management Manager, and Mr Yusmar Hadi, Marketing and Publication Staff, had a meeting with the Head of the Office of the Ministry of Education and Culture in Tutuyan, Mr Yusril Damopolli. Mr Damopolli shared the situation of schools in the area where lacking of electricity and internet access.

After visitation to several schools, SEAMOLEC team offered device the SIERRA (SEAMOLEC Innovative Educational Resources for Remote Area) for schools. The teachers were impressed to see the demo of computer assisted test programme that can be accessed by those tools without using much electricity and even with no internet access.

After the discussion, SEAMEO and Office of the Ministry of Education and Culture for the district agreed to appoint 2 sample schools to implement SIERRA device in their teaching and learning process as well as to maximize the use of digital learning in improving students’ assessment results. SEAMEO SEAMOLEC planned to bring SIERRA tools in August 2019 to be implemented in the appointed schools, and to conduct a workshop for teachers in the area to create digital assessment for students and practice teaching and learning process using SIERRA device.
The Southeast Asia Ministers of Education Organization (SEAMEO) as a regional intergovernmental organization has set for itself a vision of Golden SEAMEO by 2020 through SEAMEO Strategic Plan (2011-2020). The plan presents a series of objectives and actions to enhance SEAMEO’s excellence in four thematic domains: 1) Regional Leadership and International Visibility, 2) Programme Excellence and Dynamism, 3) Social Responsibility, and 4) SEAMEO Values and Internal Capacity Building. The goals, strategic themes and key result areas as set in the SEAMEO Strategic Plan are intended to guide the SEAMEO Centres’ development of their respective Five Year Development Plan with goals and priorities align to the SEAMEO Strategic Plan.

In preparation for the post 2020 SEAMEO Strategic Plan, SEAMEO Secretariat conducted the Regional Workshop On SEAMEO Strategic Plan (2011 – 2020) on June 17-18, 2019 at Four Wings Hotel, Bangkok, Thailand. The Regional Centres and partners were invited to review the accomplishments and challenges in the implementation of SEAMEO Strategic Plan (2011 – 2020), including SEAMEO Regional Open Learning Centre (SEAMOLEC).

SEAMEO SEAMOLEC as one of 26 Centres under the auspices of SEAMEO was agreed to lead 1 out of 9 initiatives programme within the SEAMEO Strategic Plan, which is to develop Integrated SEAMEO Information System. The system will provide direct access to SEAMEO network and enable the sharing of knowledge and resources among SEAMEO Units. The system will also be designed to be utilized for education, training and advocacy of SEAMEO’s work and programmes.

Dr Alpha Amirrachman, SEAMOLEC Director attended the event and contributed data related to the initiative under the lead of SEAMOLEC and identify the challenges in its implementation. The event was also conducted to gather input on the new SEAMEO Strategic Plan (2021 – 2035) and brainstorm on how the plans could be collectively addressed by the SEAMEO Units.
Training on Augmented Reality (AR)-based Learning Media Development for Beginner

Digital technology nowadays has helped the world of education in managing learning to be more flexible and efficient, now learning can be accessed at anywhere and anytime. In preparing for classroom’s learning activities, teachers should think of using appropriate media which are not only attracting the attention of students, but also improving learning outcomes optimally.

This phenomenon encourages SEAMEO SEAMOLEC to develop the latest learning media using Augmented Reality (AR). AR is a technology that collects 3D virtual objects into real environments, which allows teacher to discuss with students about the digital display according to the topics of learning.

SEAMOLEC organized Training on Augmented Reality (AR)-based Learning Media Development for Beginner in two Centers of Quality Improvement for Teachers (LPMP) in DKI Jakarta Province on June 17-20, 2019 and in Gorontalo Province on July 15-17, 2019. The trainings were designed for teachers from all levels of education, and aimed to improve teachers’ quality in utilizing the latest learning media. There were 20 participants joined the training at LPMP DKI Jakarta, and 55 participants joined at LPMP Gorontalo.

During the training, participants learned about 3D visualization concepts, mind mapping and concept ideas, basic introduction to 3D, simple modeling, texturing object, and introduction to the Unity Application. At the end of the training participants were able to produce an interactive learning media based on AR.
The digital age is really influential to people nowadays. It changes their way of living, including their social life and religious activities. Especially the millennials that are closely attached to the newest technology and virtual world, they use the internet to search for information, learning media, entertainment, or religious lectures.

SEAMEO Regional Open Learning Centre (SEAMOLEC) as the centre that utilizes Information and Communication Technology (ICT) into teaching and learning process, in cooperation with The Preaching Division of the Central Board of Nahdlatul Ulama (Lembaga Dakwah Pengurus Besar NU/LDPBNU) conducted an activity called “Training of Millennial Dai: Challenges and Opportunities in Millennial Era” (re: Dai means preacher).

This programme was held in the Central Board of Nahdlatul Ulama (PBNU) Office, Jalan Kramat Raya, Central Jakarta on May 21-22, 2019. On the opening ceremony Dr. Alpha Amirrachman, Director of SEAMOLEC gave his remark and mentioned the support of the centre to LDPBNU in integrating ICT into preaching activities. The Leader of LDPBNU, KH Agus Salim officially opened the programme which was also attended by Secretary of LDPBNU, KH Bukhori Muslim, and Head of the programme committee, KH Masruhin Abdul Jalil.

This Millennial Dai Programme aims to provide the young preachers to be able to deliver religious lectures through social media. There were 150 participants, from young to senior preachers, learned about how to develop preaching content, preaching rhetoric, and how to manage them into the social media accounts in order to be easily accessed by social media users.
Currently, social media is considered as one of the powerful tools in giving preaches. The religious lectures can be viewed by audience, both live and recorded. Social media can reach areas that are unreachable physically. KH Agus Salim said that this important and empowering programme will be continued and expanded to involve more preachers.

The 2nd batch of training was themed “Opportunities and Challenges of Radicalism” was held at SEAMOLEC Office on July 27-28, 2019. This programme was followed by around 150 participants coming from various parts of Indonesia. The farthest participants were from Pontianak, West Kalimantan province.

“By participating in this training activity, participants are expected to utilize the powerful Information and Communication Technology, or ICT for preaching use. Social media in this training design refers to YouTube, Facebook, Instagram and Twitter” Dr Alpha stated.

Islamic religious leaders from LDPBNU also attended in this training programme, among others; KH Fuad Atthohari (LDPBNU), KH Khalid Ar Rifai (Head of Committee and Head of Young Islamic Religious Leaders Forum), KH Syamsul Ma’arif (LDPBNU), KH Abdurraman (LDPBNU), KH Bukhori Muslim (LDPBNU), and Vice Mayor of South Tangerang City, Drs H Benyamin Davie.

SEAMOLEC Director expected that this activity will be continued in accordance with the planning of Millennial Dai Programme.

“All participants who attended this batch will develop and empower their preaching skills through various social media platforms which will attract millennial,” he explained.

He also mentioned that besides preparing preaching materials that have to be in accordance with the interests of the millennial generation, this training will also present about rules and regulation in utilizing technology which applied in Indonesia’s constitution.

“This training is expected to shift the paradigm in utilizing internet technology, so many positive things can be acquired
SEAMOLEC and STMIK Kadiri, Kediri, East Java have been partners since the last couple years. The training programme on digital learning material development is a collaboration between the two institutions which was carried out in order to support teachers’ competency development, especially in developing digital teaching materials to support open and distance education by utilizing information technology.

This training was conducted in April 2019 at STMIK Kadiri within 3 days. It was designed for teachers from various levels of education in the city of Kediri and other surrounding cities. Two materials were shared in the training: Android Application Development using Block Programming and Animation Videos using Whiteboard Animation. There were a total of 57 teachers from elementary school, junior high school, senior high school, and vocational high schools participated in the training.

In teaching how to develop a simple android application, SEAMOLEC team used an application called AppInventor. This application does not require participants to have advanced programming skills, users only need to drag and drop the blocks of command provided by AppInventor system.

In creating animation videos using Animation Drawing, participants were not required to have drawing skills, they will only need to import the assets from their own computer. Afterwards, videoscribe application system will automatically animate the imported image.

At the end of training, all participants were expected to produce a product for each material. They have to submit their products within seven days after the training ended. The trainers will then reviewed the product and decided who were eligible to get the e-certificate. The certificate can be downloaded from etraining.seamolec.org.
Pansera Oktasedu Kanaidi

Pansera Oktasedu Kanaidi, or Okta as his nickname at SEAMEO SEAMOLEC, is one of the centre’s IT Content and Knowledge Management Officers. Okta first started his career as a programmer for a multinational company in Bandung until he had the opportunity to study through a collaboration programme between SEAMEO SEAMOLEC and Bandung Institute of Technology (ITB). He finally graduated from ITB and got his master’s degree in engineering.

He involved in the development of SEAMOLEC’s e-training system, to provide facilitation for SEAMOLEC online training participants. The e-training system is currently used to administer participants’ data and to generate certificates of participation from online training programme.

Besides developing e-training, he also contributed in the development of Learning Management System (LMS) applications used for Open and Distance Education model in West Java Province, namely SIAJAR LMS. Not only working as application developer, Okta is also actively contributing as training instructor to teach and organize SEAMOLEC’s training programmes.

“Working at SEAMOLEC brings me pride, as I can help the community in requiring additional knowledge, while also for myself to learn the importance of education to help people in daily lives.”

Aqil Aulia Wafda Amin

SEAMOLEC new Secretary to the Director, Mr. Aqil Aulia Wafda Amin, is a fresh graduate who started working at SEAMEO SEAMOLEC in April this year. When he was still a university student, he joined several international students forum regarding how to create and maintain world peace, among others; World Peace Forum, and Asia Pacific Youth Conference in 2016.

Aqil graduated from International Studies programme in Syarif Hidayatullah Islamic State University, Jakarta. With his educational background, he wishes to be able to contribute to his work in SEAMEO SEAMOLEC as a regional centre. He believes that Southeast Asia is a region with lots of potential, both naturally and culturally. With good relationship and commitment between Southeast Asian Countries, the region will become more and more powerful. A good combination between high qualified human resources and supportive infrastructure will also be important factors to realize the vision of the region.

By joining SEAMEO SEAMOLEC, Aqil expects to cooperate well with other staff in order to undertake all programmes related to the function of the centre. He wishes to be part of efforts in improving education quality in Southeast Asia, especially through Open and Distance Learning (ODL) method. Although this is a new field for him, he is determined to giving his best to help providing access to education within the region.
Teachers’ Favorite: SEAMOLEC In House Training Programme

Quality improvement in teaching and learning process has always been the main objective of all educators. One possible path for improving the quality of education lies in the proper application of information and communication technology (ICT). Therefore, all teachers must invest in learning the ICT skills which has been proved to be a helpful tool in education. Understanding teachers’ needs, SEAMEO SEAMOLEC provides alternatives of training which aims to update ICT skills. In-House Training (IHT) is one type of SEAMOLEC training programmes which is held usually during the weekend, in face-to-face mode, and located at SEAMOLEC office. Various materials are provided differently during each batch of IHT.

SEAMOLEC IHT requires participants to attend the training at SEAMOLEC office for 2-3 days starting from 8 am to 5 pm. Each class room were led by one instructor and one facilitator. The instructors provide participants with all the materials they need to learn, including a step by step instructions, and the facilitator assisted each participant to complete the given instruction. Afterwards, all participants were required to submit their final project within 7 days. The participants were awarded with electronic certificate by SEAMOLEC upon successfully completing the training.

Within June 29-30, 2019 SEAMOLEC conducted IHT with three training titles related to integration of ICT in education including; digital learning material development using whiteboard animation, introduction to internet of things for beginners, and infographic design. This programme was opened to 100 participants for each title.

HOW TO PARTICIPATE?

All SEAMOLEC IHT programmes are offered for free through website and social media accounts. Even though this programme is opened for public, 90% of SEAMOLEC IHT participants are teachers.

To register, participants firstly need to visit SEAMOLEC training website at: http://etraining.seamolec.org, create an account, and choose the training title that they interested in. To know more details about the training, participants can check out the training description and requirements, or click the enroll button to join the training. Participants will be directed to a page displaying various information regarding the training, including the training schedule, participants list with registration number, and invitation letter. This invitation letter would be very useful for the participants who need to get permission from their institution to join the training.