



SEA-TVET KOSEN School Modeling Workshop

"Adapting KOSEN Educational System in Indonesia Vocational Schools"

11 – 13 August 2016, Aston Imperial Hotel Bekasi, Indonesia

Hosted by Ministry of Education and Culture, Indonesia

SUMMARY REPORT

(1st Draft as of 16 Aug 2016)

1. BACKGROUND:

National Institute of Technology or Koutou Senmon (KOSEN), was first founded in 1962 in response to a strong demand from the industrial world for engineers to support Japan through its period of high economic growth starting in the mid 50's, and cope with further development of science and technology. The country first established 12 national Kosen and 2 public Kosen, Tokyo Metropolitan College of Technology and Tokyo Metropolitan College of Aeronautical Engineering. Currently, there are 57 Kosen nationwide.

The educational system of Kosen is different from that of universities as it offers five years of consistent, practical and professional education for junior high school graduates at an earlier age, or seven years for those who chose to continue further study in the advanced course, in order to foster engineers capable of playing mid-level roles in the production sites in the industries.

In its regular program, the students are offered both general education and specialized education, more general education in earlier stages and more specialized education in later stages. Gradually increasing the focus on the specialized education from the first grade will allow them to naturally acquire specialized knowledge and skills of around the same level as universities.

In its advanced engineering course, the students will learn, on top of the basic engineering knowledge they acquired in the regular program, even higher and more specialized knowledge and skills which will make them innovative and practical engineers.

Regular course graduates are awarded the title of Associate and advanced engineering course graduates who passed reviews by the National Institution for Academic Degrees and University Evaluation can earn Bachelor's degrees.

Every seven years, Kosen go through a certified evaluation and accreditation by certified evaluation and accreditation organizations in order to confirm its quality of higher education. This helps Kosen to assure the quality of its educational activities, make efforts to maintain and improve its education and research levels, and facilitate unique and diversified development.

Considering the uniqueness of KOSEN Technology Education Model and due to the market demand of skills labor to welcome The ASEAN Economic Community (AEC), Indonesia as part of AEC needs to improve the Technical and Vocational and Education and Training (TVET), it is important for Indonesia to strengthen the human resource development through education and training. It is also part of seven priority areas of SEAMEO to promote Technical and Vocational Education and Training in the Southeast Asian countries to accelerate industrialisation, paradigm shift from labor-intensive industry to technology intensive and highly value-added one. The development of TVET human resources from the "Technologists or Technicians" to "Engineers who are well equipped with theory and practical training" is also one of the crucial and urgent key issues of the Southeast

Asian region.

The KOSEN model to be expected to help Indonesia improve the quality of TVET Education, particularly in the technology and engineering programmes, and prepared the high competitive human resources both in skills and knowledge under Directorate of Technical and Vocational Education (DTVE), Ministry of Education and Culture. Indonesia has more 12000 vocational schools with two types of teaching learning process: three years programme and four years programme. To enhance quality of TVET graduates of four years programmes educational school, DTVE initiated to have partnership and possibly adapt KOSEN models.

The discussion on collaboration between KOSEN and Southeast Asian region through High Officials Country-Level Workshop on SEA-TVET in Japan, 14-15 July, Tokyo, agreed to conduct workshop on SEA-TVET School Modeling Programme Meeting in Indonesia, 11-13 August 2016. And with the support of the Ministry of Education and Culture – Indonesia, The KOSEN School Modeling Programme Meeting on SEA-TVET will be organized on 11-13 August 2016 in Bekasi, Indonesia.

2. OVERALL OBJECTIVES

The KOSEN School Modeling Programme Meeting on SEA-TVET in Indonesia aims to:

- 1) Share KOSEN Educational Model and Curriculum for Indonesia and other Southeast Asia TVET institutions.
- 2) Discuss the possibility for improving Indonesia and other Southeast Asia TVET institutions by adapting the KOSEN Educational Model and Curriculum.
- 3) Plan further strategy on implementation of SEA-TVET KOSEN School Modeling Programme in Indonesia by having discussion among KOSEN experts, TVET policy makers, Vocational Schools, and Polytechnics.

3. The KOSEN School Modeling Programme on SEA-TVET Agenda:

1) Date/Venue	11-13 August 2016 Hotel Aston Imperial, Bekasi, Indonesia.
2) Hosted by	Ministry of Education and Culture, Indonesia.
3) Partners	<ul style="list-style-type: none">• Ministry of Research, Technology, and Higher Education, Indonesia• Southeast Asian Ministry of Education Organization (SEAMEO Secretariat, SEAMEO SEAMOLEC)• National Institute of Technology (KOSEN) - Japan
4) Objectives	<ul style="list-style-type: none">• Share KOSEN Educational Model and Curriculum for Indonesia and other Southeast Asia TVET institutions.• Discuss the possibility for improving Indonesia and other Southeast Asia TVET institutions by adapting the KOSEN Educational Model and Curriculum.• Plan further strategy on implementation of SEA-TVET KOSEN School Modeling Programme in Indonesia by having discussion among KOSEN experts, TVET policy makers, Vocational Schools, and Polytechnics.
5) Theme	Adapting KOSEN Educational System at the vocational school in

Indonesia

6) Participants

- **6 KOSEN committee:**

Name	Institution
Prof. Isao Taniguchi	President of KOSEN
Prof. Dr. Tsutomu Matsumoto	Vice Director Center for International Exchange, Kumamoto College
Prof. Katsumi Katarkura, Ph.D.	Professor of Department Chemical Engineering. Nara College
Prof. Hiroyuki Odagawa, Ph.D	Professor of Department of Information, Communication, and Electronics Engineering.
Prof. Masashi Yosida, Ph.D	Department of Mechanical Engineering. Ube College
Prof. Kazuhide Sugimoto	Head of Global Strategic Planning and Promotion Office

- **3 participants from SEAMEO Secretariat.**

Name	Institution
Dr. Gatot Hari Priowirjanto	Director of SEAMEO Secretariat
Ms. Piyapa Su-angavatin	External Relations Officer
Ms. Pimratchada Patanasuthikul	Executive Secretary

- **62 participants from 53 Indonesia vocational school**

No	Name	Institution
1	Amilia Sari Ghani	SMK - SMAK Bogor
2	Dwika Riandri, M.Si	SMK - SMAK Bogor
3	Akmal, S.Pd	SMK Kartini Batam
4	Dachlan Moersid, M.Pd	SMK Muhammadiyah 1 Sukoharjo
5	Wawat Naswati, S.Pd., M.Eng	SMK Negeri 4 Tangerang
6	Moch. Lukman Hakim, S.T	SMK PGRI 3 malang
7	Oceng Kurnia, S.Kom	SMK Sukapura Kota Tasikmalaya
8	Komalasari, S.Pd	SMK Wikrama Bogor
9	Yudi Lazuardi	SMK Yasti
10	Sigit Purwanto	SMKN 1 Balik Papan
11	Lea Lindrawijaya Suroso, M.Pd	SMKN 1 Batam
12	Muhammad Sirojuddin, S.T., M.T	SMKN 1 Cerme Gresik
13	Heri Hermawan	SMKN 1 Cibinong
14	Zainal Abidin	SMKN 1 Cibinong
15	Nopriandi, ST., M.Kom., MM	SMKN 1 Cikarang Barat
16	Widodo, M.Pd	SMKN 1 Cilegon
17	Ejoh Sujana	SMKN 1 CIMAHI
18	Dr. Raswa, M.Pd	SMKN 1 Cirebon
19	Asep Supriatna Hadiri	SMKN 1 Jakarta
20	Dafik Derajat, S.Pd., M.T	SMKN 1 Karawang
21	Drs. Gatot Sukarno, M.M	SMKN 1 Kediri
22	Yerri Kardiana, M.Pd	SMKN 1 Kediri
23	Umi Ani Faridah	SMKN 1 Kota Bekasi

24	Drs. Nisandi, M.T	SMKN 1 Magelang
25	Effi Ramadhani	SMKN 1 Percut Seituan
26	Imam Basuki	SMKN 1 Punggung Mojokerto
27	H. Harudin, S.Pd., M.M.Pd	SMKN 1 Purwakarta
28	Isa Sidharta, S.P	SMKN 1 Purwosari
29	Drs. Didik Sugiharto	SMKN 1 Sidoarjo
30	Taufik, S.Pd	SMKN 1 Sidoarjo
31	Doni Tri Prasetio, S.Pd	SMKN 1 Singosari
32	Yuyun Syarifuddin	SMKN 1 Sumedang
33	Drs. Purwono, M.Pd.	SMKN 1 Temanggung
34	Drs. Sentot Hargiardi	SMKN 1 Yogyakarta
35	Dedi Suryadi,S.T	SMKN 11 Bandung
36	Dr. Anne Sukmawati KD, M.Pd	SMKN 11 Bandung
37	Tita Heriyanti, S.Pd	SMKN 13 Bandung
38	Drs. Aragani MZ., M.Pd	SMKN 2 Depok Sleman
39	Dr. Wardani Sugiyanto, M.Pd	SMKN 2 Klaten
40	Heru Karyana, S.Pd.	SMKN 2 Klaten
41	Nurlailatul Hidayah	SMKN 2 Kota Bogor
42	Heru Eko Pramono, S.Pd, M.Si	SMKN 2 Palembang
43	Lidiana Fitri, S.Si, M.Si	SMKN 2 Pekanbaru
44	Deni Ruswandi	SMKN 2 Subang
45	Djoko Pratmodjo	SMKN 2 Surabaya
46	Suratna, S.Pd., M.Pd.	SMKN 2 Surakarta
47	Acep Suhandi	SMKN 26 Jakarta
48	Nurali, S.ST, MT	SMKN 3 Buduran Sidoarjo
49	Imam Kusnodin, M.Pd	SMKN 3 Medan
50	Widodo	SMKN 3 Tanjung Pinang
51	Rus Prihatini	SMKN 35
52	Agus Muslihin, S.Pd, M.T	SMKN 4 Bandung
53	Dr. Wadib Su'udi, M.M	SMKN 4 Bandung
54	Abdul Basit, M.Pd	SMKN 4 Jakarta
55	Drs. Kholil, M.Si	SMKN 4 Jakarta
56	Dr. Asep Tarip Yani, M.Pd	SMKN 4 Tangerang
57	Drs. Syahrir, MM	SMKN 5 Banjarmasin
58	Andi Umar Patta, S.Pd., M.Si	SMKN 5 Makassar
59	Dra. Tatik Kustini, MM	SMKN 5 Surabaya
60	Agus Purwanta	SMKN 56 Jakarta
61	Netty Pietersina Engel	SMKN 7 Semarang
62	Drs, Hari Mulyono, M.T	SMKN 8 Malang

- **12 participants from 8 polytechnic**

No	Name	Institution
1	Anggitya Dewi Wulandari B.Sc	Akademi Komunitas Multistrada
2	Maya Komariah	Akademi Komunitas Multistrada
3	Dr. Isnandar, MT	Politeknik Kota Malang
4	Rizki Priya Pratama	Politeknik Kota Malang
5	Drs. Ir. Abdullah Helmy., M.Pd., PhD	Politeknik Negeri Malang
6	Nur Cahyono Kushardianto	Politeknik Negeri Batam
7	Nurul Intan P.	Politeknik Negeri Jakarta
8	Rahmat Widia Sembiring	Politeknik Negeri Medan

9	Eko Julianto	PPNS
10	Tony H Silalahi	Politeknik Manufaktur Astra
11	Tonny Pongoh	Politeknik Manufaktur Astra
12	Rusminto Tjatur Widodo	PENS

- **5 experts from P4TK BOE - VEDC Malang**

No	Name	Institution
1	Sodikin Susa'at, MT	P4TK BOE - VEDC Malang
2	Dr. Arie Eric R., MT	P4TK BOE - VEDC Malang
3	Dr. Drs. Miftahu Soleh, M.Sc	P4TK BOE - VEDC Malang
4	Dr. Putut Subijantoro, M.T.	P4TK BOE - VEDC Malang
5	Drs. Wismanu Susetyo, MT	P4TK BOE - VEDC Malang

- **4 Participants from SEAMEO SEAMOLEC**

No	Name	Institution
1	Cahya Kusuma Ratih	SEAMOLEC
2	Zahrani Balqis	SEAMOLEC
3	Dona Octanary	SEAMOLEC
4	Aggry Tiharapitra	SEAMOLEC

- **7 delegates from other Southeast Asia TVET institutions**

No	Country	Institution
1	Thailand	
	Mr. Atthapol Sangkavasee	Director of Minburi College
	Mr. Phongsin Rattanaudom	Director of Minburi College
	Ms. Pattarawan Wannabumphen	Director of Minburi College
	Dr. Samruay Mahapram	Director of Eastern Technical College (E.TECH)
	Mr. Narongkorn Seejan	Director of Eastern Technical College (E.TECH)
	Mrs. Rattinan Boonyasitwikul	Director of Eastern Technical College (E.TECH)
2	Malaysia	
	Miftah bin Surif	Principal of Sekolah Teknik Kuantan

- **The rest is DTVE committee, MoEC Indonesia**

7) Priority area/Industry areas	<p>Indonesia has 6 priority majors of 4 years vocational school programme namely:</p> <ol style="list-style-type: none"> 1. Metal Fabrication Engineering and Manufacture 2. Automotive Engineering and Maintenance Management 3. Industry Automation Engineering 4. Mechatronics 5. Information System, Network and Application 6. Analytical Chemistry <p>Those priority majors will be mapped with KOSEN five priority study areas.</p> <ol style="list-style-type: none"> 1. Mechanical Engineering
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	<ol style="list-style-type: none"> 2. Electrical Engineering 3. Electronic Engineering 4. Computer Science (ICT) 5. Chemical Science
8) Programme	<p><u>DAY 1</u></p> <ul style="list-style-type: none"> • Opening Ceremony • Introduction about KOSEN System • Preparation of SEA-TVET KOSEN School Modeling Programme <p><u>DAY 2</u></p> <ul style="list-style-type: none"> • Discussion on curriculum and industries immersion among KOSEN, Vocational Schools, Colleges and Polytechnics • Presentation of the discussion • Discussion on implementation strategy <p><u>DAY 3</u></p> <ul style="list-style-type: none"> • Presentation on implementation strategy • Wrap-up and closing ceremony • Departure of participants
9) Expected output	<ul style="list-style-type: none"> • Mutual perception on educational model, curriculum in the field of mechanical, electronics, ICT, and chemical science and industries immersion in KOSEN and Indonesia TVET institutions. • Identification of potential activities such as study visit, curriculum development, quality assurance, assessment, student internship, teacher and student exchange, and research sharing between students and teachers in Indonesia and KOSEN Japan. • Implementation strategy between KOSEN and Indonesia TVET institutions.
10) Roles of Partners	<p>Ministry of Education and Culture, Indonesia</p> <ul style="list-style-type: none"> ▪ Programme coordination ▪ Programme content and mechanism development for all sessions ▪ Logistic and venue coordination ▪ Invitation to participants <p>Ministry of Research, Technology, and Higher Education</p> <ul style="list-style-type: none"> ▪ Resource persons and speakers <p>National Institute of Technology (KOSEN) - Japan</p> <ul style="list-style-type: none"> ▪ Resource persons and speakers <p>SEAMEO (SEAMEO Secretariat, SEAMEO SEAMOLEC)</p> <ul style="list-style-type: none"> ▪ Programme coordination ▪ Programme content and mechanism development for all sessions ▪ Resource persons/experts

11) Budget Contributions	<ul style="list-style-type: none"> • Ministry of Education and Culture Indonesia contributes to accommodation for 2 nights at Aston Imperial Hotel Bekasi (Check-in 11 August and Check-out 13 August). • The airport transfers from airport to the hotel for participants from outside Indonesia supported by SEAMEO SEAMOLEC. • The airfare ticket and allowance of the Southeast Asia Participants should be supported by their respective Ministries/Institutions.
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12) Results from Curriculum Group Discussion

At the session 4 on 12 August, the group discussion was conducted with its aims to discuss the possibility to adapt KOSEN curriculum in SMK Indonesia curriculum. The results are as follows:

GROUP 1: MECHANICAL

- **Participants**

- Group Moderator: Dr. Putut Subiantoro, MT, DTVE Expert, P4TK BOE - VEDC Malang.
- Prof. Masashi Yosida, Ph.D, Department of Mechanical Engineering. Ube College. (Email: yoshida@ube-k.ac.jp)
- SMK and Politechnic

No	Name	Name of Institution/Organization
1	Miftah Bin Surif	Sekolah Teknik Kuantan Penang-Malaysia
2	Agus Purwanta	SMKN 56 Jakarta
3	Herlyna Butar-Butar	SMKN 56 Jakarta
4	Asep Supriatna Hadiri	SMKN 1 Jakarta
5	Rus Prihatini	SMKN 35 Jakarta
6	Dafik Derajat	SMKN 1 Karawang
7	Sartono	SMKN 1 Cikarang Barat
8	Acep Suhandi	SMKN 26 Jakarta
9	Sigit Purwanto	SMKN 1 BPN
10	Abdul Basit	SMKN 4 Jakarta
11	Wardani Sugiyanto	SMKN 2 Klaten
12	Nurlailatul Hidayah	SMKN 2 Kota Bogor
13	Effi Ramadhani	SMKN 1 Percut Seituan
14	Umi Ani Faridah	SMKN 1 Kota Bekasi
15	Tatik Kustini	SMKN 5 Surabaya
16	Nisandi	SMKN 1 Magelang
17	Heru Eko Pramono	SMKN 2 Palembang
18	Zainal Abidin	SMKN 1 Cibinong Bogor
19	Samruay Mahapram	Eastern College of Technology (E-TECH)
20	Attaphon Sangkhawasee	Minburi Technical College
21	Pattarawan Wannabhumphen	Phisanulok Vocational College
22	Putut Subijantoro	P4TK VEDC Malang
23	Djoko Pratmodjo	SMKN 2 Surabaya
24	Iman Basuki	SMKN 1 Punggung Mojokerto
25	Akmal	SMK Kartini Batam
26	Widodo	SMKN 3 Tanjung Pinang

27	Suratna	SMKN 2 Surakarta
28	Dachlan Moersid	SMK Muhammadiyah 1 Sukoharjo
29	Sukatno	SMK Muhammadiyah 1 Sukoharjo
30	Sentot Hargiardi	SMKN 2 Yogyakarta
31	Widodo	SMKN 1 Cilegon
32	Doni Tri Prasetyo	SMKN 1 Singosari
33	Tony H Silalahi	Politeknik Manufaktur Astra

- **Discussion Results**

- A. Analysis Curriculum SMK 4 years: Metal Fabrication Engineering and Manufacturing

1. Curriculum SMK adopting 28 subject from 56 subject in KOSEN curriculum and 61 credits from 98 credits available in KOSEN curriculum.
2. From the numbers of credits given by Indonesia curriculum, this numbers indicate that Indonesia curriculum compared to KOSEN curriculum in the end will produce a people who can operate or repaired a machines not a people who can design a machines. Indonesia curriculum is like to produce an operator/technician for the machines not an engineer.

- B. Analysis Curriculum SMK 4 years:

1. From 22 subject available in KOSEN curriculum, SMK Indonesia curriculum only has 6 subject match/same with KOSEN curriculum.
2. Subject area in japan curriculum is totally different from Indonesia, in Indonesia vocational school has a very specific majors but in Japan the subject area for vocational study devided to 5 area of study such as: mechanical, electrical, electronic, chemical, and ICT.
3. From the number of subject that match/same with KOSEN curriculum, we can said that Indonesia curriculum have a low synchronization with KOSEN curriculum (if we looked it from the numbers of subject only → 6 from 22 subject available).
4. Based on the analysis of the data betwen Automotive Engineering and Maintenance Management curriculum in Indonesia and Kosen's Curriculum, there are only 22 % of them that suitable or can be sincronized, such as :
 - 1) Physics
 - 2) Basic Chemistry
 - 3) Technical Drawing
 - 4) Basic Automotive Technology
 - 5) Product Development / Project Works

GROUP 2: ELECTRONIC

- Participants

- Group Moderator: Drs. Sodikin Susa'at, MT, DTVE Expert, P4TK BOE - VEDC Malang.
- Prof. Hiroyuki Odagawa, Ph.D, Professor of Department of Information, Communication, and Electronics Engineering. (Email: odagawa@kumamoto-nct.ac.jp)

- SMK and Politechnic

No	Name	Name of Institution/Organization
1	Tonny Pongoh	Astra Manufacturing Polytechnic
2	Syahrir	SMKN 5 Banjarmasin
3	Phongsin Rattanaudom	Minburi Technical College, Thailand
4	Abdullah Helmy	Polinema
5	Sodikin Susa'at	P4TK BOE Mlg
6	Lea Lindra Wijaya Suroso	SMK N1 Batam
7	Rizki	Poltekcom
8	Ejon Sujana	SMKN 1 Cimahi
9	Andi Umar Patta	SMKN 5 Makassar
10	Hari Mulyono	SMKN 8 Malang
11	Narongkorn Seejan	E-TECH, Thailand
12	Maya Komariah	AK-Multistrada
13	Asap Tapipyani	SMKN 4 Bandung
14	Agus Muslihah	SMKN 4 Bandung
15	Widyarto	Multistrada Community College
16	Rattinan Boonyasitwikul	E-TECH, Thailand

- Discussion Results

(please add the summary of your discussion group report here)

GROUP 3: ELECTRICAL

- Participants
 - Group Moderator: Dr.Miftahu Sholeh, M.Sc, DTVE Expert, P4TK BOE - VEDC Malang.
 - Prof. Kazuhide Sugimoto, Head of Global Strategic Planning and Promotion Office.
 - SMK and Politechnic

No	Name	Name of Institution/Organization
1	Raswa	SMKN 1 Cirebon
2	Didik Sugiharto	SMKN 1 Sidoarjo
3	Taufik	SMKN 1 Sidoarjo
4	Wawat Naswati	SMKN 4 Tangerang
5	Yuyun Syarifuddin	SMKN 1 Sumedang
6	Moch. Lukman Hakim	SMK PGRI 3 Malang
7	Anggitya Dewi W	AK - Multistrada
8	H. Harudin	SMKN 1 Purwakarta
9	Rusminto Tjatur Widodo	PENS Surabaya

- Discussion Results

(please add the summary of your discussion group report here)

GROUP 4: CHEMICAL SCIENCE

- Participants
 - Group Moderator: Dr. Arie Eric Rawung, MT, DTVE Expert, P4TK BOE - VEDC Malang.
 - Prof. Katsumi Katakura, Ph.D, Professor of Department Chemical Engineering. Nara College.
 - Prof. Dr. Isao Taniguchi, President of KOSEN

- SMK and Politechnic

No	Name	Name of Institution/Organization
1	Drs. Aragani Mizan Z, M.Pd	SMKN 2 Depok
2	Muhammad Sirojuddin, ST., MT	SMKN 1 Ceme Gresik
3	Imam Kusnodin, M.Pd	SMKN 3 Medan
4	Lidiana Fitri, S.Si., M.Si	SMKN 2 Pekanbaru
5	Tita Heriyanti, S.Pd	SMKN 13 Bandung
6	Dwika Riandari, M.Si	SMK - SMAK Bogor
7	Amilia Sari Ghani	SMK - SMAK Bogor
8	Drs. Purwono, M.Pd	SMKN 1 Temanggung

- Discussion Results

(please add the summary of your discussion group report here)

GROUP 5: COMPUTER SCIENCE (ICT)

- Participants

- Group Moderator: Drs. Wismanu Susetyo, MT, DTVE Expert, P4TK BOE - VEDC Malang.
- Prof. Dr. Tsutomu Matsumoto, Vice Director Center for International Exchange, Kumamoto College. (Email: matsumoto@kosen-k.go.jp)
- SMK and Politechnic

No	Name	Name of Institution/Organization
1	Deni Ruswandi	SMKN 2 Subang
2	Oceng Kurnia	SMK Sukapura Kota Tasik
3	Rahmat Widia Sembiring	Politeknik Negeri Medan
4	Wadib Suudi	SMKN 4 Malang
5	Heru Karyana	SMKN 2 Klaten
6	Nurali	SMKN 3 Buduran
7	Isa Sidharta	SMKN 1 Purwosari
8	Yerri Kardiana	SMKN 1 Kediri
9	Nur Cahyono K	Politeknik Negeri Batam
10	Anne Sukmawati	SMKN 11 Bandung
11	Dedi Suryadi	SMKN 11 Bandung
12	Komalasari	SMK Wikrama Bogor
13	Netty P. Engel	SMKN 7 Semarang
14	Heri Hermawan	SMKN 1 Cibinong
15	Gatot Sukarno	SMKN 1 Kediri
16	Yudi Lazuardi	SMK Yasti Sukabumi
17	Nurul Intan Pratiwi	Politeknik Negeri Jakarta

- Discussion Results

(please add the summary of your discussion group report here)

13) Working Committee Members

13.1 Ministry of Education and Culture, Indonesia

DTVE, Program and Evaluation Division.

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13.2 SEAMEO Secretariat, Bangkok - Thailand

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13.3 SEAMEO SEAMOLEC, Jakarta - Indonesia

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“Adapting KOSEN Educational System in Indonesia Vocational Schools”

11 – 13 August 2016, Aston Imperial Hotel Bekasi, Indonesia

Hosted by Ministry of Education and Culture, Indonesia

Tentative Programme

as of 10 August '16

Day 1 11 August 2016	Opening Ceremony and Introduction to KOSEN Educational Model
12.00 - 14.00	Lunch and Registration at Aston Imperial Hotel, Bekasi – Indonesia
14.00 - 15.00	Opening Ceremony <ul style="list-style-type: none"> - Welcome remarks by, Mr. Mustaghfirin Amin, Director of DTVE, Ministry of Education and Culture, MoEC - Opening remarks by Dr. Isao Taniguchi, President National Institute of Technology (KOSEN), Japan - Opening remarks by Dr. Gatot Hari Priowirjanto, Director of SEAMEO Secretariat, Thailand
15.00 - 16.30	Session 1: Introduction of KOSEN Educational Model by Prof. Dr. Matsumoto, Vice Director Center for International Exchange, Kumamoto College / Prof. Kazuhide Sugimoto, Head of Global Strategic Planning and Promotion, KOSEN
16.30 - 17.00	Coffee Break and Dance Performance
17.00 - 18.00	Room check in at Aston Imperial Hotel, Bekasi – Indonesia
18.00 - 19.00	Dinner Reception
19.00 - 21.00	Session 2: Guideline for participation in SEA-TVET KOSEN School Modeling Programme (only for Indonesian participants) by Dr. Bakhrun, Head of Curriculum Division, DTVE, MoEC
Day 2 12 August 2016	Discussion on Curriculum and Industry Immersion
08.30 - 09.30	Session 3: Mechanism / guideline of discussion by Mr. Taufiq Damarjati, Curriculum Section Staff, DTVE, MoEC
09.30 - 10.00	Coffee Break
10.00 - 11.30	Session 4: Group Discussion on Curriculum and Industry Immersion Participants will be divided into 5 groups according to the priority areas: Group 1: Mechanical Engineering <ul style="list-style-type: none"> - Facilitated by Prof. Masashi Yoshida, KOSEN experts and Dr. Putut Subiyantoro, DTVE experts on mechanical engineering curriculum. - Rapporteur: Ms. Piyapa, SEAMES and Ms. Kokoy. Group 2: Electrical Engineering <ul style="list-style-type: none"> - Facilitated by Prof. Kazuhide Sugimoto, KOSEN experts and Mr. Miftahu Soleh, DTVE experts on Electrical engineering curriculum. - Rapporteur: Mr. Dona, SEAMOLEC and Mr. Taufiq. Group 3: Electronic Engineering <ul style="list-style-type: none"> - Facilitated by Prof. Hiroyuki Odagawa, KOSEN experts and Mr. Sodikin Susaat, DTVE experts on Electrical engineering curriculum. - Rapporteur: Ms. Pimratchada, SEAMES and Mr. Al Bahri.

	<p>Group 4: Computer Science (ICT)</p> <ul style="list-style-type: none"> - Facilitated by Prof. Tsutomu Matsumoto, KOSEN and Mr. Wismanu Susetyo, DTVE experts on Computer Science curriculum - Rapporteur: Ms. Cahya, SEAMOLEC. <p>Group 5: Chemical Science</p> <ul style="list-style-type: none"> - Facilitated by Prof. Katsumi Katakura, KOSEN and Dr. Arie Eric Rawung, DTVE experts on Chemical Science curriculum - Rapporteur: Ms. Sani and Mr. Aggry, SEAMOLEC.
11.30 - 13.30	Lunch Break
13.30 - 15.00	Session 5: Continuation of Group Discussion
15.00 - 15.30	Coffee Break
15.30 - 17.00	Session 6: Presentation of group discussion result (15 minutes / group) Moderated by Mr. Yoni Utomo, Senior officer of DTVE
17.00 - 18.00	Session 7: Group Discussion on Implementation Strategy (only for Indonesian Participants) facilitated by Dr. Junus Simangunsong, S.Si, MT, Head of Evaluation from Curriculum Division.
19.00 - 21.00	Dinner
Day 3 13 August 2016	Presentation on Implementation Strategy
08.30 - 10.30	Session 8: Presentation on Implementation Strategy facilitated by Mr. Taufiq Damarjati, Curriculum Section Staff, DTVE, MoEC
10.30 - 11.00	Coffee Break
11.00 - 12.00	Session 9: Wrap-up and closing ceremony by Dr. Isao Taniguchi, President National Institute of Technology (KOSEN), Japan and Dr. Gatot Hari Priowirjanto, Director of SEAMEO Secretariat, Thailand
12.00 - 13.00	Lunch
13.00	Departure of Participants