

SURAT KETERANGAN
MELAKUKAN KEGIATAN PENGABDIAN KEPADA MASYARAKAT
INSTITUT TEKNOLOGI NASIONAL
No. 361/C.02.01/LPPM/VII/2021

Yang bertanda tangan di bawah ini,

Nama : Iwan Juwana, S.T., M.EM., Ph.D.
Jabatan : Kepala
Unit Kerja : LPPM-Itenas
JL. P.K.H. Mustafa No.23 Bandung

Menerangkan bahwa,

Nama	NPP	Jabatan
Dr.Eng. M. Candra Nugraha, M.Eng.	20190301	Tenaga Ahli

Telah melakukan kegiatan Pengabdian kepada Masyarakat sebagai berikut:

Nama Kegiatan : Observer Akreditasi IABEE – Geomatika ITS
Tempat : Webinar/Video Conference
Waktu : 16 - 18 November 2020
Sumber Dana : Prodi Geomatika ITS

Demikian surat keterangan ini dibuat untuk dapat dipergunakan sebagaimana mestinya.

Bandung, 02 Juni 2021

Lembaga Penelitian dan Pengabdian
kepada Masyarakat (LPPM) Itenas
Kepala,

Iwan Juwana, S.T., M.EM., Ph.D.
NPP. 20010601

LAPORAN KEGIATAN PENGABDIAN KEPADA MASYARAKAT



“Observer Akreditasi IABEE – Geomatika ITS”

**Ketua Tim:
M Candra Nugraha D**

Anggota Tim:

-

**Program Studi Teknik Lingkungan
Fakultas Teknik Sipil dan Perencanaan
2020**

HALAMAN PENGESAHAN

Judul : Observer Akreditasi IABEE – Geomatika ITS

Ketua Tim Pengusul

Nama : M Candra Nugraha D

NIP : 20190301

Jabatan/Golongan : Lektor /IIIC

Jurusan/Fakultas : Teknik Lingkungan/Teknik Sipil dan Perencanaan

Bidang Keahlian : Teknik Lingkungan

Alamat Kantor : Jl. PHH Mustopa No. 23 Bandung

Alamat Rumah Barat : Jl. Candrapuspa Kulon No. 6 Padalarang, Bandung

Lokasi Kegiatan

Wilayah Mitra : Surabaya

Desa/Kecamatan :

Kota/Kabupaten :

Provinsi : Jawa Timur

Jarak PT ke Mitra :

Luaran : -

Waktu Pelaksanaan : 16 – 18 November 2020

Total Biaya : -

Bandung, 19 Nov 2020

Mengetahui,
Dekan FTSP



Dr. Soni Darmawan, ST., Mt.

Ketua Tim Pengusul



M Candra Nugraha D

Disahkan Oleh
Ketua LP2M,

Iwan Juwana, S.T., M.EM., Ph.D.
NIP: 20010601

LAPORAN KEGIATAN

Tujuan

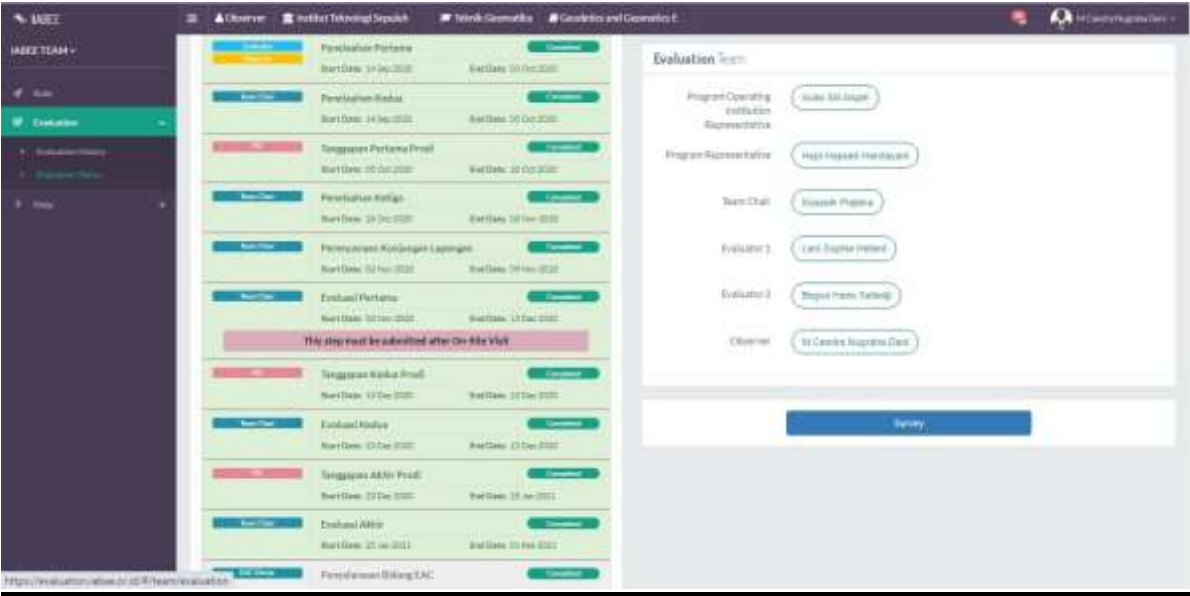
Membantu evaluator dan team chair dalam melakukan evaluasi ketaatan program studi terhadap kriteria IABEE.

Deksripsi Pelaksanaan Kegiatan

Kegiatan evaluasi dilakukan secara daring dengan melibatkan personil yang terlibat di Prodi Geomatika ITS. Secara keseluruhan, kegiatan berjalan dengan lancar.

Hasil kegiatan ini selanjutnya akan ditindaklanjuti oleh tim untuk penentuan status akreditasi prodi.

BUKTI KEGIATAN





The Institution of Engineers Indonesia
Persatuan Insinyur Indonesia



SURAT PERNYATAAN
TENTANG KERAHASIAAN INFORMASI DAN KONFLIK KEPENTINGAN
(Letter of Nondisclosure and Conflict of Interest)

Yang bertanda tangan di bawah ini:

Nama:

sebagai evaluator akreditasi IABEE, dengan ini menyatakan bahwa saya:

- 1) menyadari hakekat pentingnya menjaga kerahasiaan informasi dan menghindari potensi terjadinya konflik kepentingan atas tugas evaluasi akreditasi yang diberikan kepada saya,
- 2) memegang teguh prinsip kerahasiaan tersebut, dan tidak memberitahukan, tidak menyampaikan, dan/atau tidak membocorkan kepada siapapun, segala sesuatu yang saya ketahui dan saya kerjakan dalam melaksanakan tugas tersebut di atas, dengan cara apapun, baik langsung maupun tidak langsung sebagaimana diatur dalam *Rules and Procedures for Evaluation and Accreditation* (RPEA) IABEE, dan
- 3) tidak memiliki konflik kepentingan yang dapat mempengaruhi kualitas dan obyektivitas tugas yang diberikan tersebut sebagaimana diatur dalam RPEA.

Pernyataan ini saya buat dan saya tanda tangani dengan sebenar-benarnya, dalam keadaan sadar dan dengan penuh rasa tanggung jawab. Apabila saya melakukan perbuatan-perbuatan yang bertentangan dengan pernyataan saya di atas, saya bersedia menerima sanksi sesuai aturan yang berlaku.

Demikian Pernyataan ini dibuat untuk dapat dipergunakan sebagaimana mestinya.

Yang Membuat Pernyataan,

Nama: Dr. Eng. M Candra Nugraha D
Tanggal: 8 Desember 2020

GUIDE BOOK

**INDONESIAN ACCREDITATION BOARD FOR ENGINEERING
EDUCATION (IABEE) AT PROGRAMME LEVEL
INSTITUT TEKNOLOGI SEPULUH NOPEMBER (ITS)
SURABAYA**



General Accreditation

**Department of Civil Engineering
Department of Geomatics Engineering
Department of Geophysical Engineering**

(Faculty of Civil, Planning and Geo Engineering)

Interim General Accreditation

**Department of Mechanical Engineering
Department of Chemical Engineering
Department of Engineering Physics**

**Department of Material and Metalurgical Engineering
(Faculty of Industrial Technology and Systems Engineering)**

**Department of Environmental Engineering
(Faculty of Civil, Planning and Geo Engineering)**

Preface

According to the Government Law No 54 year 2015, the President of Republic Indonesia stated that Institut Teknologi Sepuluh Nopember (ITS) becomes an autonomous university. ITS have more independency on planning, actuating, and controlling many activities, including quality assurance. ITS Quality Assurance Office (ITS QA Office) keeps maintaining the quality improvement effort continuously by conducting both internal and external quality assurance system. The external QA system conducting by following National Accreditation (BAN PT) which is mandatory for any study program, and also following any International Accreditation and Assessment. One of study program in ITS, i.e. Industrial Engineering has been accredited by ABET. For the International Assessment, ITS committed to applying for ASEAN University Network - Quality assurance (AUN-QA) Assessment. Sixteen study programs have certified by AUN-QA. In also start in 2017, ITS policies for all of engineering study programme must have accredited by Board of Accreditation Engineering, and one of accreditation board from Indonesian Accreditation Board for Engineering Education (IABEE). ITS has obtained IABEE general accreditation for nine Study Programmes and three out of them have achieved full accredited, and the rest in interim accredited.

In this 2020, ITS propose three Study Programs to be fully accredited by IABEE, i.e. Civil Engineering, Geomatic Engineering, and Geophysics Engineering, and also propose five Study Programs to fulfil Interim Accreditation, i.e: Mechanical Engineering, Chemical Engineering, Engineering Physics, Material Engineering, and Environmental Engineering.

All of these policies are taken by ITS through improving the internal process as an effort to guarantee the education process following the Outcomes-Based Education (OBE) system, in order to lead ITS towards World-Class University (WCU).

Last but not least, I would welcome all Evaluators, Chairperson of IABEE, and Observers to come to ITS campus during Covid-19 era by zoom meeting.

Enjoy on Live on Line Assessment

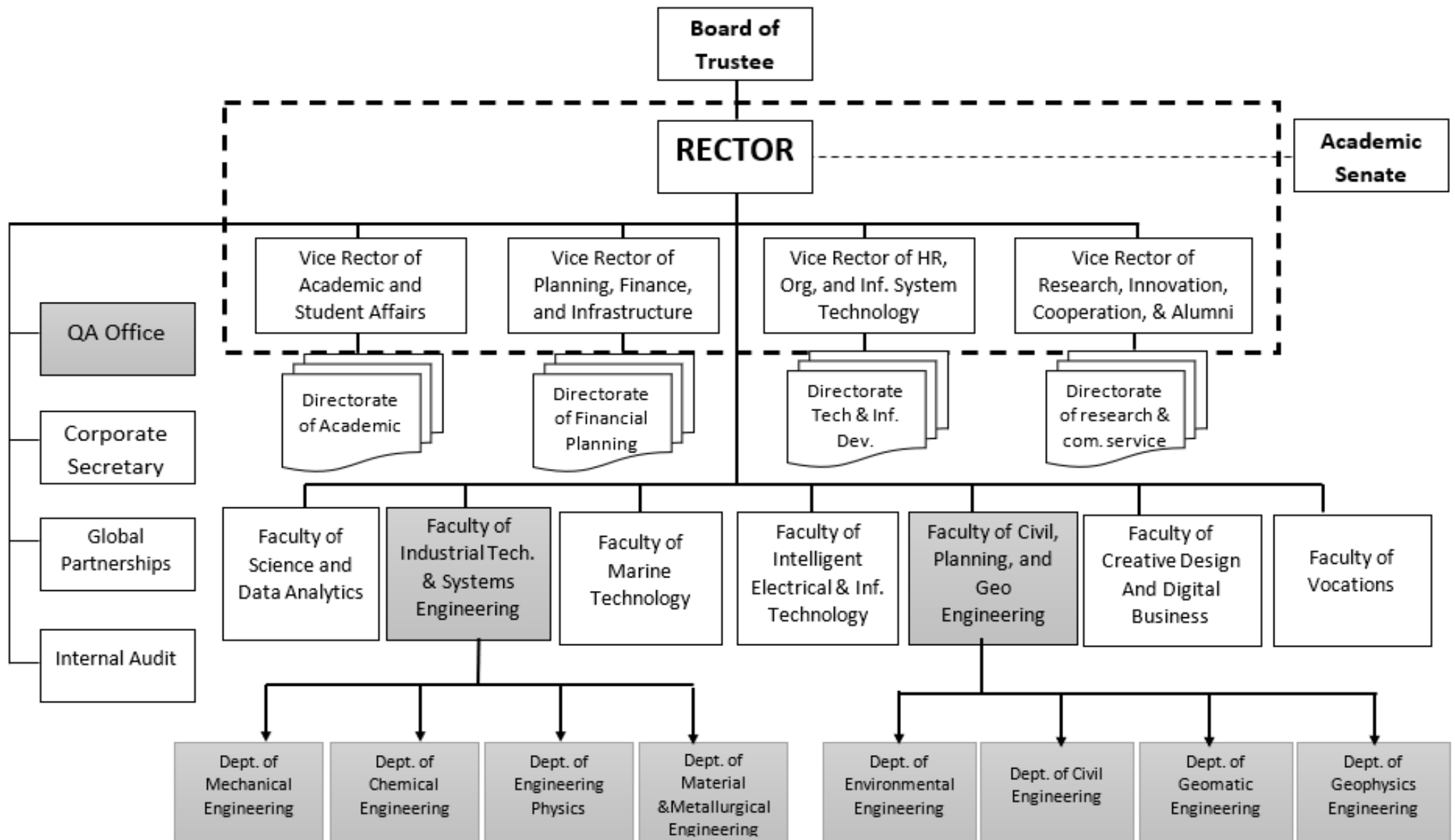
Surabaya, November 2020
Rector

Prof. Dr. Ir. Mochammad Ashari, M.Eng

Table of Content

Preface.....	2
Table of Content.....	3
Organizational Structure.....	4
ITS Board of Management	5
The Respective Dean and Head of Department	6
The Respective Dean and Head of Department	7
IABEE Evaluators.....	8
IABEE Evaluators.....	8
Assessment Schedule (General Accreditation)	9
Assessment Schedule ((Interim General Accreditation).....	15
ITS Map.....	18
ITS Facility	19
The Person in Charge of SER Sudy Programme (General Accreditation).....	23
The Person in Charge of SER Sudy Programme (Interim General Accreditation)	24
Contact Person (QA Office).....	25

Organizational Structure



ITS Board of Management



Rector of ITS
Prof. Dr. Ir. Mochamad Ashari, M.Eng



Vice Rector of Academic & Student Affairs
Prof. Dr. Ir. Adi Soeprijanto, M.T.



Vice Rector of Planning, Financial & Facilities Affairs
Ir. Mas Agus Mardyanto, M.E., Ph.D



Vice Rector of HR, Org., Tech. & Inf. System Affairs
Dr. Eng. Ir. Ahmad Rusdiansyah, M.Eng.



Vice Rector of Innovation, Coop., Alumni & Int. Relations Affairs
Bambang Pramujati, S.T., M.Sc.Eng., Ph.D.

The Respective Dean and Head of Department (Interim General Accreditation)



Dean of Faculty of Industrial Technology and Systems Engineering
Dr. Wawan Aries Widodo, S.T., M.T..



Head of Dept. Mechanical Engineering
Dr. Ir. Atok Setiyawan, M.Eng.Sc.



Head of Dept. Chemical Engineering
Dr. Eng. Widiyastuti, S.T., M.T.



Head of Dept. Engineering Physics
Dr. Suyanto, S.T., M.T.



Head of Dept. Material and
Metallurgical Eng.
Sigit Tri Wicaksono, S.Si., M.Si., Ph.D.

The Respective Dean and Head of Department (Propose General and Interim General Accreditation)



**Dean of Faculty of Civil, Planning and Geo Engineering
Dr. Ir. Murni Rachmawati, M.T.**



**Head of Dept. Civil Engineering
Dr.techn. Umboro Lasminto, S.T., M.Sc.**



**Head of Dept. Geomatics Engineering
Danar G. Pratama, S.T., M.T., Ph.D.**



**Head of Dept. Geophysical Engineering
Dr. Dwa Desa Warnana, S.Si., M.Si..**



**Head of Dept. Environmental Eng.
Dr.Eng., Arie Dipareza S. , S.T., MEPM**

IABEE Evaluators (General Accreditation)

	Department of Civil Engineering	Department of Geomatics Engineering	Department of Geophysical Engineering
Team Chair	Prof. Ir. Joko Sujono M.Eng., Ph.D	Dr. Kosasih Prijatna	Dr.-Ing. Nasruddin Nasruddin M.Eng
Evaluator 1	Aine Kusumawati, Ph.D.	Dr. Leni Sophia Heliani ST., MSc.	Prof. Dr. Nanang Tyasbudi Puspito
Evaluator 2	Dr. Ir. Nahry Nahry , MT	Bagus Hario Setiadji ST., MT., Ph.D	Dr.Eng. Imam Achmad Sadisun ST., MT.
	Observer		
	Dr.Eng. M. Candra Nugraha Deni		

IABEE Evaluators (Interim General Accreditation)

	Dept. of Mechanical eEngineering	Dept. of Chemical Engineering	Dept. of Engineering Physics	Dept. of Material and Metalurgical Engineering	Dept. of Environmental Engineering
Team Chair	Jooned Hendrarsakti, Ph.D, IPM.	Prof. Dr. Hady Hadiyanto, MSc.	Dr. Rachmawan Budiarto ST., MT., G.P.	Dr. Tjokorde Walmiki Samadhi, ST., MT.	Prof. Dr. -Ing Ir. Misri Abdulkadir Gozan, M.Tech. IPU
Evaluator 1	Jooned Hendrarsakti Ph.D IPM.	Prof. Dr. Hady Hadiyanto, MSc.	Dr. Rachmawan Budiarto ST., MT., G.P.	Dr. Tjokorde Walmiki Samadhi, ST., MT.	Prof. Dr. -Ing Ir. Misri Abdulkadir Gozan, M.Tech. IPU
	Observer				
Observer 1	Dr. Benno Rahardyan				

Assessment Schedule (General Accreditation)

Day 1 (November 16, 2020)		
Time	Meeting code	Activity
08:00-08:30	MX: POI (ITS-host)	Welcoming Meeting Participants: 1. Univ/Inst Executives : Rector / Vice Rector(s) 2. Dean / Vice Dean 3. POIR 4. Chair of QA Unit 5. Head of Adhoc Team 6. PR Note: List of Participants (names, emails, jabatan) shall be sent beforehand to TC Link zoom: https://zoom.us/j/92043351325?pwd=TWJ2SIF1cUNQTkl1QzVYOGpCbTF3QT09 Meeting ID: 920 4335 1325 Passcode: 111682 Agenda: 1. Lagu Indonesia Raya 2. Safety Induction (guide by video) 3. Welcome Speech - Rector of ITS 4. Representative Team Chair IABEE: Prof. Dr. Ing. Nasruddin 5. Closing
08:00-08:35	Meeting transition	
08:35-09:00	M1: dTC (host)	Delegation Team Briefing/Coordination (only for Evaluators Team)
09:00-09:30	M1: dTC (host)	Courtesy Meeting with Executives Participants: 1. Univ./Inst Executives: Rector/Vice Rector(s), 2. Dean(s)/Vice Dean(s), [as applicable]

		Agenda: Dialog dan wawancara antara IABEE dengan pimpinan		
	Meeting Code	Event		
		Dept. of Civil eEngineering	Dept. of Geomatic Engineering	Dept. of Geophysical Engineering
09:30-11:30	M2: TC (host), PEVs & OBS (co-hosts)	Facility Visits Shared facility & Program's facility Tour (safety & adequacy): [shared labs]¹, [student centre, sport center]², [library, health center]³, [career center]⁴, management offices, classroom, teaching labs, capstone design lab. Participants: Approved faculties or staffs Note: (1) Some faculties/staffs shall be with smartphone's camera, (2) list of faculties/staff (names, emails, jabatan) shall be sent beforehand to TC, (3) To avoid repetitive visit to shared facility by different evaluator team, the shared facility may be grouped by dTC (into e.g. 4 groups to be visited by 4 different evaluator programs)		
11:30-13:00	Session break			
13:00-14:00	M2: TC (host), PEVs & OBS (co-hosts)	Evidence Checking TA reports, KP reports, Lab manuals, student Lab reports, textbooks, course portfolios (as applicable & needed) Participants: Approved faculties or staffs Note: (1) Some faculties/staffs shall be with smartphone's camera, (2) list of faculties/staff (names, emails, jabatan) shall be sent beforehand to TC		
14:00-15:00	M2: TC (host), PEVs & OBS (co-hosts)	Interview with Faculties (in group or private) Partcicipants: Approved faculties		

		Note: (1) Faculties shall be in private physical room, (2) list of faculties/staff (names, emails, jabatan) shall be sent beforehand to TC
15:00-16:00	M2: TC (host), PEVs & OBS (co-hosts)	Interview with Students (in group or private) Participants: Approved students Note: (1) Students shall be in private physical room, (2) list of student (names, emails, year) shall be sent beforehand to TC
16:00-16:30	M2: TC (host), PEVs & OBS (co-hosts)	1st Day Wrap up Participants: Only Evaluator Team
End of Day 1		

Day 2 (November 17, 2020)				
08.00 – 09.00		Dept. of Civil eEngineering	Dept. of Geomatic Engineering	Dept. of Geophysical Engineering
09:00-10:00	TC (host) PEVs & OBS (co-hosts)	Discussion with Advisory Board/Stakeholders & Alumni Note: List of advisory board members/stakeholders & alumni (names, emails, jabatan) shall be sent beforehand to TC		
10:30-11:30	M4: TC (host) PEVs & OBS (co-hosts)	Interview with Program Chair Note: In private physical room		
11:30-13:00	Session break			
13:00-15:00	M4: TC (host) PEVs & OBS (co-hosts)	Evaluator Team Meeting Participants: Only Evaluator Team		
		Dept. of Civil eEngineering	Dept. of Geomatic Engineering	Dept. of Geophysical Engineering
15:00-15:30	M4: TC (host) PEVs & OBS (co hosts)	Additional Facility Tour/ Interview Participants: Approved faculties, students, or staffs Note: List of faculties, students, anda staffs (names, emails, jabatan) shall be sent beforehand to TC		
15:30-16:00	M4: TC (host) PEVs & OBS (co hosts)	2nd Day Wrap up Participants: Only Evaluator Team		
End of Day 2				

Day 3 (November 18, 2020)				
		Dept. of Civil eEngineering	Dept. of Geomatic Engineering	Dept. of Geophysical Engineering
09:00-10:00	M6: TC (host), PEVs & OBS (co hosts)	Finalization of Exit Meeting Statement Participants: Only Evaluator Team		
10:00-10:30	M6: TC (host), PEVs & OBS (co hosts)	Program Chair's Debriefing Participants: Programm Chair Note: In a physical room		
10:30-11:00	M7: dTC (host), PEVs & OBS (co-hosts)	Delegation Team Wrap Up Participants: Only Evaluator Team		
11:00-11:45	M7: dTC (host), PEVs & OBS (cohosts)	Exit Meeting Participants: 1. Univ/Inst. Executives: Rector/Vice Rector(s), 2. Dean (s)/vice dean(s) [as applicable] 3. Program Chair, 4. PR, 5. POIR, 6. Chair of QA unit 7. Head of Adhoc Team Note 1. List of univ/inst executives (names, emails, jabatan) shall be sent beforehand to TC 2. It may also be in a physical meeting room		
11:45-12:00	M7: dTC (host), PEVs & OBS (cohosts)	Closing: What's next by delegation TC Participants: 1. Univ/Inst. Executives: rector/vice rector(s), 2. Dean (s)/vice dean(s) [as applicable] 3. Program Chair, 4. PR,		

		5. POIR, 6. Chair of QA unit 7. Head of Adhoc Team Note: 1. List of univ/inst executives (names, emails, jabatan) shall be sent beforehand to TC, 2. It may also be in a physical meeting room
End of Program Visit		

List of Abbreviation:

GA : General Accreditation
OBSs : Observers
PA : Provisional Accreditation
PEVs : Program Evaluators
PEV1 : Program Evaluator 1
PEV2 : Program Evaluator 2
POI : Programme Organizing Institution
POIR : Program Operating Institution Representative
PR : Program Representative
TCs : Team Chairs

Assessment Schedule ((Interim General Accreditation))

Day 1 (November 16, 2020)						
Time	Meeting code	Activity				
08:00-08:30	MX: POI (host - ITS)	Welcoming Meeting Participants: 1. Univ/Inst Executives : Rector / Vice Rector(s) 2. Dean / Vice Dean 3. POIR 4. Chair of QA Unit 5. Head of Adhoc team 6. PR Note: List of Participants (names, emails, jabatan) shall be sent beforehand to TC Link zoom: https://zoom.us/j/92043351325?pwd=TWJ2SIF1cUNQTkl1QzVYOGpCbTF3QT09 Meeting ID: 920 4335 1325 Passcode: 111682				
Meeting Code		Event				
		Mechanical Eng.**	Chemical Eng.*	Eng. Physics	Mat. & Metallurgical Eng.	Environmental Eng.
08:30-09:30	M1: TC (host), POIR (co-host)	Previous Shortcoming Discussion with Program Participants: Approved Faculties / Staffs Notes: List of faculties/staff shall be sent beforehand to TC				
09.30 -10.30	M1: TC (host), POIR (co-host)	Evidence Checking (as needed) Participants: Approved Faculties / Staffs Notes: (1) Program shall put all physical evidence in one physical place, (2) list of faculties/staff (names, emails, jabatan) shall be sent beforehand to TC				

10.30-11.30	M1: TC (host), POIR (co-host)	Facility Tour (safety & adequacy): as needed Participants: Approved Faculties / Staffs Notes: (1) Program shall put all physical evidence in one physical place, (2) list of faculties/staff (names, emails, jabatan) shall be sent beforehand to TC
11:30-13:00	Session break	
13:00-13:30	M1: TC (host)	Interview with students (as needed) Participants: Approved Students Note: (1) Students shall be in private physical room, (2) list of students (names, emails, jabatan) shall be sent beforehand to TC
13:30-14:00	M1: TC (host)	Interview with faculties (as needed) Participants: Approved faculties Note: (1) Facultys shall be in private physical room, (2) list of faculties/staff (names, emails, jabatan) shall be sent beforehand to TC
14:00-15:00	M1: TC (host)	Interview with Program Chair Participants: Program Chair Note: In private physical room
15:30-16:00	M1: TC (host)	Preparation of Exit Meeting Statement Note: only Evaluator Team
16:00-16:30	M1: TC (host), POIR (co-host)	Exit Meeting & Closing Participants: 1. Univ. Representative (s): Rector / Vice Rector (s), 2. Dean / Vice Dean, 3. Program Chair,

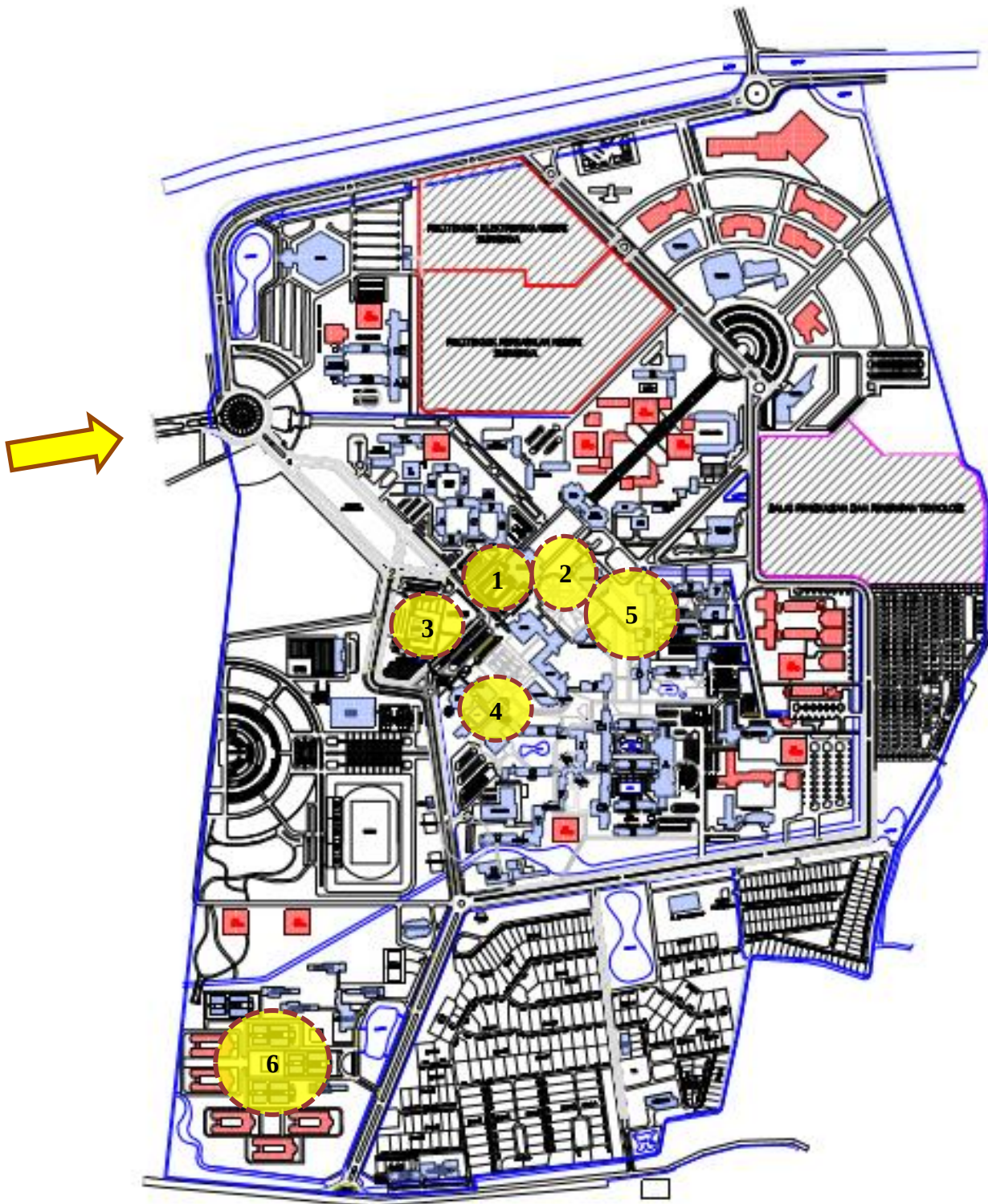
		4. PR, 5. POIR, 6. Chair of QA unit, 7. Head of Ad-hoc Team
End of Program Visit		

* No Site Visit

List of Abbreviation:

GA : General Accreditation
OBSs : Observers
PA : Provisional Accreditation
PEVs : Program Evaluators
PEV1 : Program Evaluator 1
PEV2 : Program Evaluator 2
POI : Programme Organizing Institution
POIR : Program Operating Institution Representative
PR : Program Representative
TCs : Team Chairs

ITS Map



MASTERPLAN ITS 2015

0 40 120 200 m
20 80

1. Rectorate Building
2. Library
3. Manarul Ilmi Mosque
4. Sub. Directorate of Developing Carrier & Technepreneur Center
5. Faculty of Marine Technology
6. Student Dormitory
7. Medical Center



ITS Facility



ITS Circle Turn



Dormitory of ITS



Research Center



Medical Center



DPTSI



Halte



Mosque

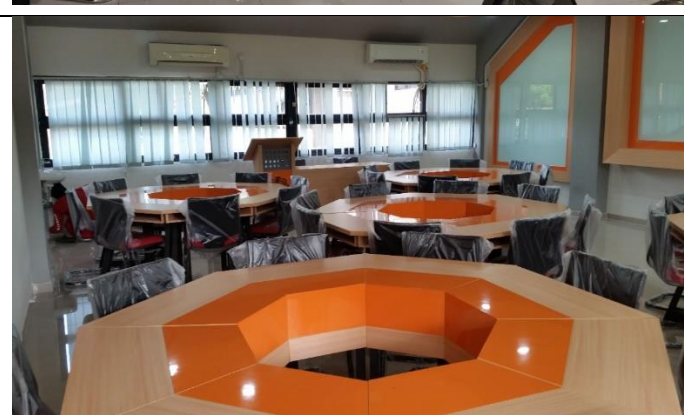
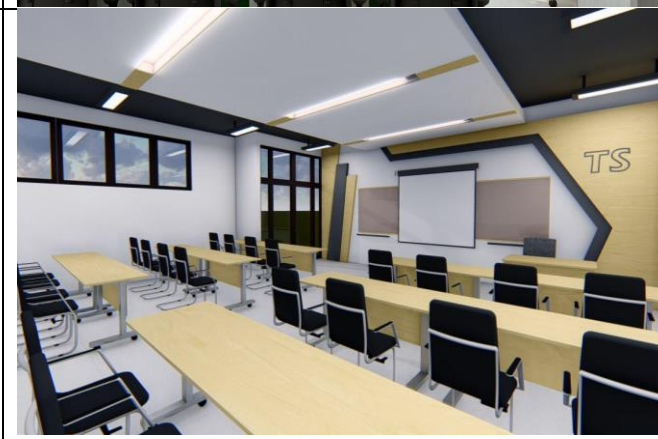


Sports Field

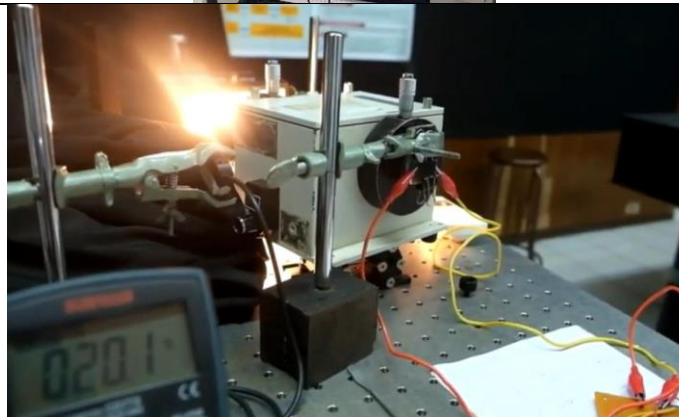


Library

Classroom



Laboratory



The Person in Charge of SER Sudy Programme (General Accreditation)



Study Programme of Geomatics Engineering
Hepi Hapsari Handayani ST.,M.Sc.,Ph.D



Study Programme of Geophysics Engineering
Wien Lestari ST. MT.



Study Programme of Civil Engineering
Data Iranata, ST., MT., Ph.D

The Person in Charge of SER Study Programme (Interim General Accreditation)



**Study Progr. of Mechanical Eng.
Achmad Syaifudin, M.Eng., Ph.D**



**Study Progr. of Chemical Eng.
Dr. Eng. Kusdianto., MSc.Eng**



**Study Progr. of Eng.Physics
Dr. Katherin Indriawati, M.T.**



**Study Progr. of Material Eng.
Dr. Eng. Hosta Ardhyanta., M.Sc**



**Study Progr. of Environmental Eng.
Dr.Eng., Arie Dipareza S. , S.T., MEPM**

Contact Person (QA Office)



Head of Quality Assurance Office (PIC IABEE Matter)

Prof. Dr. Ir. Aulia Siti Aisjah, M.T.
Email: auiasa@ep.its.ac.id; auiasa20@gmail.com
Mobile: +628123589875



Head Unit of Quality Assurance for Academic Affairs

Dr. Lailatul Qadariyah, ST., M.T
Email: lqadariyah@chem-eng.its.ac.id
Mobile: +6281335239830



**KANTOR PENJAMINAN MUTU
INSTITUT TEKNOLOGI SEPULUH NOPEMBER**

Gedung Pascasarjana Lt.1

its.ac.id/kpm

2020