MODULE HANDBOOK

Insight and Technology Application



UNDERGRADUATE PROGRAM DEPARTMENT OF STATISTICS

FACULTY OF SCIENCE AND DATA ANALYTICS INSTITUT TEKNOLOGI SEPULUH NOPEMBER

ENDORSEMENT PAGE



MODULE HANDBOOK INSIGHT AND TECHNOLOGY APPLICATION DEPARTMENT OF STATISTICS INSTITUT TEKNOLOGI SEPULUH NOPEMBER

Proses		Tanggal					
Process	Nama <i>Name</i>	Jabatan Position	Tandatangan <i>Signature</i>	Date			
Perumus	Achmad	Dosen					
Preparation	Ferdiansyah	Lecturer					
	Pradana Putra,						
	ST.,MT.						
Pemeriksa dan	Insight and	Tim kurikulum					
Pengendalian	Technology	Curriculum					
Review and	Application	team					
Control	lecturer team						
Persetujuan		Koordinator					
Approval		RMK					
		Course Cluster					
		Coordinator					
Penetapan	Dr. Kartika	Kepala					
Determination	Fithriasari, M.Si	Departemen					
		Head of					
		Department					

MODULE HANDBOOK

INSIGHT AND TECHNOLOGY APPLICATION

Module name	Insight and Technology Application
Module level	Undergraduate
Code	UG184916
Course (if applicable)	Insight and Technology Application
Semester	8 th semester
Person responsible	Achmad Ferdiansyah Pradana Putra, ST.,MT.
forthe module	
Lecturer	Achmad Ferdiansyah Pradana Putra, ST.,MT.; Dr. Agus Windharto, DEA;
	Dr. Bambang Sudarmanta, ST.MT.; Dr. Dhany Arifianto, S.T., M.Eng.; Dr.
	Dra. Melania Suweni Muntini, MT.; Dr. Eng. Kriyo Sambodho ST., M.Eng
	; Dr. Ir. Lily Pudjiastuti, MT.; Dr. Ir. Achmad Affandi, DEA.; Dr. Ir. Djoko
	Purwanto, M.Eng.; Dr. Ir. Endroyono, DEA.; Dr. Ir. Hasan Ikhwani, M.Sc;
	Dr. Irhamah, SSi., MSi. ; Dr. Machsus, ST. MT.; Dr. Muhammad Nur
	Yuniarto; Dr. Surya Sumpeno , S.T., M.Sc.; Dr. Tridani Widyastuty,
	MSi.MT.; Dr.Rer.Nat.Ir. Maya Shovitri, MSi. ; Dra. Dian Saptarini, MSc.;
	Dra. Endang Susilowati, M.Kes.; Dra. Ratna Ediati, MS.,Ph.D; Dra.
	Sukriyah Kustanti M. MSi.; Dyah Savitri, ST., MT; Eka Wahyu Ardhi, ST.,
	MT.; Endarko, MSi. Ph.D; Fahmi Mubarok, ST., M.Sc., Ph.D; Gita Widi
	Bhawika, ST.,MT.; Gogor Arif Handiwibowo, ST.,MMT; Hendro Nurhadi,
	Dipl. Ing. Ph.D.; Herdayanto Sulistyo Putro, S.Si., M.Si.; Hertiari Idajati,
	ST.,MSc.; IDAA Warmadewanthi, S.T.,M.T., Ph.D; Ir. Baroto Tavip
	Indrojarwo, M.Si.; Ir. Eko Nurmianto, M.Eng.Sc.; Ir. Tri Achmadi, Ph.D. ;
	Lienggar Rahardiantino, SE., MSc.; Lissa Rosdianna ST.,MT.; Mon.
	Singgin Purwanto, SSI.,MIT.; Munammad Riduwan, S.Kom., M.Kom.;
	Prof.Dr.Ir. Iri Widjaya, Wieng ; Prof.Dr.rer.Nat. Agus Rubiyanto,
	M.Eng., SC.; Prof.ir. Kelut Ana Pria Utama, M.Sc.Ph.D.; Keny Nadillatin,
	Nugrabani SSi MSi
	Pabasa Indonesia and English
Polation to	Lindergraduate degree program mandatory ^{9th} competer
curriculum	ondergraduate degree program, manuatory , o semester.
Type of teaching	Case Method (18 75%)
contact hours	Team Based Project (81 25%)
Workload	1 Lectures: $3 \times 50 = 150$ minutes per week
	2 Exercises and Assignments: $3 \times 60 = 180$ minutes (3 hours) per
	week
	3 Independent learning: 3 x 60 = 180 minutes (3 hours) per week
Credit points	3 credit points (sks). Equivalent 4.8 FCTS
Requirements	A student must have attended at least 80% of the lectures to sit in the
according to the	exams

examination		
regulations		
Mandatory	-	
prerequisites		1
Learning outcomes	CLO 1. Students understand the outline of the lecture from	S6
and their	beginning to end, are able to understand the	KU1
corresponding PLOs	Knowledge and Concepts of Digital Literacy by	KU3
	thinking systematically in solving general problems	KU4
	properly and correctly	
	CLO 2. Students able to utilize research centers both locally	
	and nationally with technological applications and	
	innovative products that are competitive	
	CLO 3. Able to have conservation insights into natural and	
	human resources in applying science and technology	
	SDC's Theories and Consents	
	SDG'S Theories and concepts.	
	Program Proposals (PKM) and similar programs in	
	preparing project-based innovations along with PKM	
	Proposal Outputs (Articles Posters and Videos)	
Content	Insight And Technology Application course inspires the st	udent to
content	develop the insight of knowledge, technology, innovation	and its
	application in society and the environment. As a citizen, the stu	idents are
	expected to have the skill and creativity in utilizing the te	echnology
	comprehensively. During the course, the students will dev	velop the
	mindset based on the information transformation thinking m	odel with
	constructively systemic logical framework matrix and u	tilize the
	opensource technology as well as the mobile application. The	e students
	will observe the problems, explore the problems, and find an	effective
	solution to achieve the concrete solutions. The development o	f problem
	solving in society is based on sustainable development. The en	nphasized
	power to be increased is the application of informa	tion and
	communication technology with the improvement in social ser	nsitivity to
	produce the adaptive person that is involved in a collabo	oration to
	achieve the problem solving in the society. The ability to ob-	serve and
	interview directly also supports the skills given to the students	, thus the
	factual data can be used optimally.	
	I owards the end of the lecture, the students are able to create	e the Real
	work Lecture (KKN) proposal according to the facts in society	. Utilizing
	of each student according to their scientific background erec	stively for
	the development in society and the environment. At the end of	flocturos
	the students carry out a Thematic Field Work Lecture (k	(KNI) that
	emphasizes canacity building in society. Thus, the students as i	intelligent
	humans require to be allowed to be part of the solution to the	prohlems
	in society.	Provicins
Assessment and its	Cognitive - Midterm Exam (20%)	
weight	Cognitive - Final Exam (10%)	

	Proposal (PKM) (30%)					
	Research Paper (PKM) (40%)					
Media employed	LCD, whiteboard, websites (myITS Classroom), zoom.					
Reading list	 Buku Transformasi Informasi, Dr.techn. Pujo Aji, ST.MT., ITS Pres., 2016 Alfred Watkins and Michel Ehst, "Science, Technology and Innovation: Capacity Building for Sustainable Growth and Poverty Reduction", The International Bank for Reconstruction and Development, Washington DC, 2008. Frieder Meyer Krahmer, "Innovation and Sustainable Development-Lesson for Innovation Policies, " A Springer-Verlag Company, Heidelberg, 1998. Araban Pelaksanaan Tujuan Pembangunan Alamat Kontak: Website: 					
	sdgs.bappenas.go.id					

COURSE LEARNING PLAN OF APTEKTRANSIDI



INSTITUT TEKNOLOGI SEPULUH NOPEMBER FAKULTAS SAINS DAN ANALITIKA DATA STATISTIKA S1 STATISTIKA

COURSES	CODE	Rumpun MK		BOBOT (sks)	SEMEST ER	Date of derafting
Wawasan dan Aplikasi Teknologi	Kode MK	SPKB		3 SKS	6 dan 7	22 Desember
	UG. 184916					2022
AUTHORIZATION	RP Developer		RMK Co	ordinator	Ka PRODI	
	1. Dra. Sukriyał	n Kustanti Moerad.MSi.	Dra. Sukr	iyah Kustanti Moerad,	Dr. Kartika	a Fithriasari, M.Si
	2. Dra, Endang	Susilowati, M.Kes.		MSi		,
	3. Lienggar Rah	ardiantino, SE.,M.Sc.				
	4. Deti Rahmaw	vati, S.IP. M.T				
	5. Dr. Tridani W	/idyastuty, MSi.MT				
	6. Yudha Praset	yawan, ST. M.Eng.				
	7. Endarko, MS	i. Ph.D				
	8. Gogor Arif H	andiwibowo, ST.,MMT				
	9. Lissa Rosdia	nna ST.,MT				
	10. Gita Widi Bh	awika, ST.,MT				
	11. Dr. Dra. Dian	Saptarini, MSc.				
	12. Herdayanto S	Putro, SSi, MSi.				
	13. Zjahra Vianit	a Nugraheni, SSi.,MSi.				
	14. Moh Singgih	Purwanto, SSi.,MT.				
	15. Dr. Ir. Lily Pu	udjiastuti, MT.				
	16. Dr.Ir. Hasan	lkhwani, MSc.				
	17. Dr.Ir. Niniek	Fajar Puspita, M.Eng.				
	18. Dyah Savitri,	ST.,MT				
	19. Dr. Irhamah S	SSi., MSi.				
	20. Ir. Eko Nurm	ianto, M.Eng., Sc.				
	21. M. Riduwan,	S.Kom.M. Kom.				
	22. Ir. Arief Abdu	urachman, MT.				
	23. Dr. Atria Prac	dityana, ST. MT.				
	24. Ciptian Werie	ed P, SST.,				

		25. Ir. Joko Susilo, MT			
		26 Ir Arief Musthofa MT			
		20. In Thier Washing, MT.			
		MT			
Learning Outcome	CPL-PRODI				
	CPL	Description Learning outcomes			
	S6	Able to cooperate and have social sensitivity, as well as concern for the community and			
	the environment				
	KU1	Able to apply logical, critical, systematic, and innovative thinking in the context of the			
		development or implementation of science and technology that pays attention to and			
		applies humanities values in accordance with their field of expertise			
	KU3	Able to use Technology Applications for the development or implementation of science			
	i i i i i i i i i i i i i i i i i i i	and technology hased on scientific rules, procedures and ethics in order to produce			
		solutions, and ideas			
	VI IA	Able to compile a final report / Proposal or research / innovation project / Student			
	KU4 Able to compile a final report / Proposal or research / innovation project / Student				
	Creativity Program (PKM).				
	СРМК				
	CP MK	Description CPMK			
	CPMK 1	Students understand the outline of the lecture from beginning to end, are able to			
		understand the Knowledge and Concepts of Digital Literacy by thinking systematically			
		in solving general problems properly and correctly			
	CPMK 2	Students able to utilize research centers both locally and nationally with technological			
	_	applications and innovative products that are competitive			
	СРМК 3	Able to have conservation insights into natural and human resources in applying			
		science and technology for the benefit of Sustainable Development with SDG's			
		Theories and Concents			
	CDMK 4	Able to complete the making of Student Creativity Program Proposals (PKM) and			
	Crivik 4	similar programs in proposing project based inneventions along with DVM Proposal			
		Similar programs in preparing project-based innovations along with PKW Proposal			
	<u> </u>	Outputs (Articles, Posters and Videos)			
Brief description of					
the course					
	The Technolog	gy Application and Digital Transformation Courses (APTEKTRANSIDI) is one of the Institute's content courses that			
	must be taken.	This course is an ITS character, which will inspire students in developing insights into science, technology and			

	innovative products that are competitive and the form of application in society and the environment. Students will receive material 1) Digital Literacy Knowledge and Concepts; 2) Systems Theory and Systemic Thinking; 3) Knowledge of the National Research Roadmap and ITS; 4) Introduction to Science Technopark (STP); 5) Knowledge and Concepts of Sustainable Development Goals (SDGs); 6)Opensource Mobile Application Technology, E Comerce; 7) Creative and Innovative Knowledge; and 8) Making Proposals for Student Creativity Programs (PKM) and similar programs in preparing project-based innovations along with PKM Proposal Outputs (Articles and Videos). At the end of the lecture, students are able to compile a Student Creativity Program Proposal (PKM) based on the knowledge that has been given in this lecture. The benefits of learning the APTEKTRANSIDI Course are: Students are able to explain, explain and implement problems in society and the environment with a Technology Application
	approach and expertise in their fields in accordance with the principles in the APTEKTRANSIDI teaching material.
Subject Matter / Study Material	 The material of the Technology Application and Digital Transformation course is 1. Digital Literacy Knowledge and Concepts 2. Theory of Systems Thinking and Information Transformation 3. Introduction and Knowledge of Science Technopark (STP) 4. Knowledge of ITS and National Research Roadmaps 5. The concept of SDGs (Sustainable Development Goals) 6. Open Source Technology and IT Ethics 7. Student Creative Program Proposal Concept (PKM)
Bibliography	 Main: 5. Digital Literacy : Tools and Methodologies for Information Society. Pier Casera Rivoltella, Universitas Cottolica del Sacro Cuore, Italy 6. Akhmad Hidayatno, "BERPIKIR SISTEM", Pola Pikir Untuk Pemahaman Masalah Yang Lebih baik. 2016. Universitay of Indonesia. 7. Gerakan Literasi Nasional, Kementrian Pendidikan dan Kebudayaan Jakarta, 2017 8. Buku Tim Pengembang Mata Kuliah Wawasan Teknologi dan Komunikasi Ilmiah , "Wawasan Teknologi & Komunikasi Ilmiah", ITS Press, Surabaya, 2015. 9. Alfred Watkins and Michel Ehst, "Science, Technology and Innovation: Capacity Building for Sustainable Growth and Poverty Reduction", The International Bank for Reconstruction and Development, Washington DC, 2008. 10. Frieder Meyer Krahmer, "Innovation and Sustainable Development-Lesson for Innovation Policies, " A Springer-Verlag Company, Heidelberg, 1998. 11. Book : ARAHAN Pelaksanaan Tujuan Pembangunan Berkelanjutan/SDGsTeam Leader Sekretariat SDGs Kementerian PPN/Bappenas, 1 Februari 2018, Alamat Kontak: Website : sdgs.bappenas.go.id

	2							
Learni	ng Media S	oftware:		Hardware	•			
Team TeachingSubjectWeek-Final ability a each stage of		at Evaluation L		Forms of 1 Learning M	Learning, ethods and	Learning Materials	Bobot Penila	Lecture r
	(Sub-CP-MK)	assessment indicators	Criteria & Forms of Assessment	Daring (online)	Luring (offline)		(%)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
1	CPMK1 : Students understand the outline of the lecture from beginning to end, are able to understand the Knowledge and Concepts of Digital Literacy by thinking systematically in solving general problems properly and correctly Students are able : • Understand the outline of lectures • Able to explain Digital Literacy Knowledge and	Digital Literacy Knowledge and Concepts : Students able to analyze the concept of digital literacy Students able to analyze the concept of Social Networking, Transliteracy, Cyber- crime, Digital identity	Criterion: Able to find Examples the problem that can be resolved with Digital Literacy Knowledge Bentuk penilaian :	My ITS Classroom TM = 3x50 PT = 1 x 60 BM = 1x60' Learning met Lectures small Group Disscussion Frequently A Questions 2x 50 minute Lectures/Lec 1x50 minutes	menit ," hods: sked s : tures s : Dskusi	Digital Literacy Knowledge and Concepts	0%	Class lecturers

2	CPMK1 : Students understand the outline of the lecture from beginning to end, are able to understand the Knowledge and Concepts of Digital Literacy by thinking systematically in solving general problems properly and correctlybaik dan benar	Being able to find examples the problem can be resolved with the concept of the system	Kriteria : Mampu menemukan contoh-contoh permasalah yang dapat diselesaikan dengan konsep,system Bentuk penilaian :	My ITS Classroom TM = 3x50 menit PT = 1 x 60" BM = 1x60" Learning methods: Lectures small Group Disscussion Frequently Asked Questions 2x 50 minutes : Lectures/Lectures 1x50 minutes : Dskusi	Systems Theory and Think Systemic	5%	Class lecturers
	• Students are able to explain the concept of systematic thinking in solving common problems						
3	CPMK2: Students able to utilize research centers both locally and nationally with technological applications and innovative	Able to discuss with groups problems that it's in the Centres Good research National as well as research at ITS	Kriteria : Mampu menemukan permasalahan yang ada di Pusat-Pusat Penelitian baik Nasional maupun penelitian di ITS Bentuk penilaian	My ITS Classroom TM = 3x50 menit PT = 1 x 60" BM = 1x60" Learning methods: Lectures small Group Disscussion	Knowledge Roadmap National Research and ITS	0%	DRPM Lecturer

	products that are competitive Students Able to utilize Research Centers at ITS and National			Frequently A Questions 2x 50 minute Lectures/Lec 1x50 minute	Asked es : ctures s : Dskusi			
4	CPMK2: Students able to utilize research centers both locally and	Conducting group discussions to analyze Science Technopark (STP) Knowledge)	Kriteria : Able to find Examples the problem that can be resolved	My ITS Classroom		Introduction to Science Technopark (STP)		Class Lecturer
	locally and nationally with technological applications and innovative products that are competitive Students understand the problems in their environment with the Technology Application approach		<pre>can be resolved with the concept of Knowledge Science Techno Park (STP) Bentuk penilaian</pre>	TM = 3x50 PT = 1 x 6 BM = 1x60 Learning met Lectures small Group Disscussion Frequently A Questions 2x 50 minute Lectures/Lea 1x50 minute	menit 0" thods: Asked es : ctures s : Dskusi			
5	CPMK 3 : Able to have	Conduct discussions with groups to find problems	Kriteria : Able to find each example	My ITS Classroom		Theory and Concept of Sustainable	5%	Class Lecturer

	conservation insights into natural and human resources in applying science and technology for the benefit of Sustainable Development with SDG's Theories and Concepts. -Students can explain problems in the environment with the Sustainable Development Approach	according to aspects of the SDG's.	existing problems as per the aspects in SDG's Bentuk penilaian	TM = 3x50 menit PT = 1 x 60" BM = 1x60" Learning methods: Lectures small Group Disscussion Frequently Asked Questions 2x 50 minutes : Lectures/Lectures 1x50 minutes : Dskusi	Development Goals (SDGs)		
6	CPMK 3: Able to have conservation insights into natural and human resources in applying science and technology for the benefit of Sustainable Development with SDG's Theories and Concepts. Students Able to utilize opensource technology and	Able to discuss with groups in Using WordPress CMS to create, Videos, websites / web blogs, as well as E. Comerce Mobile Applications	Criterion: Able to use Opensource Technology And Ecommerce mobile app to finish problems in society and the environment Bentuk penilaian	My ITS Classroom TM = 3x50 menit PT = 1 x 60" BM = 1x60" Learning methods: Lectures small Group Disscussion Frequently Asked Questions 2x 50 minutes : Lectures/Lectures	Opensource Technology Mobile Applications, E Comerce	0%	Class Lecturer

	simple mobile applications			1x50 minutes : Dskusi			
7	CPMK2: Students able to utilize research centers both locally and nationally with technological applications and innovative products that are competitive Students Able to utilize Research Centers at ITS and National	Conduct discussions with groups to find research problems according to the selected aspects	Criterion: Able to find research results both nationally, ITS, and internationally with Innovation approach Bentuk penilaian	My ITS Classroom TM = 3x50 menit PT = 1 x 60" BM = 1x60" Learning methods: Lectures small Group Disscussion Frequently Asked Questions 2x 50 minutes : Lectures 1x50 minutes : Dskusi	Knowledge of Roadmap National Research and ITS	0%	DRPM Lecturer
8	CPMK2: Students able to utilize research centers both locally and nationally with technological applications and	Conduct discussions in solving problems with innovative creative approaches.	Criterion: Able to find each example of existing problems according to creativity and innovative aspects Bentuk penilaian	My ITS Classroom TM = 3x50 menit PT = 1 x 60" BM = 1x60" Learning methods: Lectures small Group	Creative and Innovative Knowledge	0%	STP Lecturer

	innovative products that are competitive Able to make creative, innovative thinking concepts based on science technology			Disscussion Frequently Asked Questions 2x 50 minutes : Lectures/Lectures 1x50 minutes : Dskusi				
9	Students Able to do the Midterm Exam well and on time	Doing the Midterm Exam questions (UTS)	Able to work Middle Exam questions Semester (UTS) well and On time		3 x 50 minutes	Midterm	25%	Class Lecturer
10	CPMK 4: Able to complete the making of Student Creativity Program Proposals (PKM) and similar programs in preparing project- based innovations along with PKM Proposal Outputs (Articles, Posters and Videos).	Conduct discussions with groups to find PKM Proposal Topics	Kriteria : Able to conduct group discussions in class to produce PKM Proposal Topics Bentuk penilaian	My ITS Classroom TM = 3x50 PT = 1 x 60 BM = 1x60 Learning me Lectures small Group Disscussion Frequently A Questions 2x 50 minute Lectures/Lectures	3 x 50 minute : Discussio n of PKM proposals menit "" thods: Asked es : ctures s : Dskusi	Discussion on Pkm Proposal Guidance	0%	Class Lecture r

	Students know the problem real in the surrounding environment						
11	CPMK 4: Able to complete the making of Student Creativity Program Proposals (PKM) and similar programs in preparing project- based innovations along with PKM Proposal Outputs (Articles, Posters and Videos). Able to complete the making of Student Creativity Program (PKM) Proposals and similar programs in preparing innovation-based projects along with PKM Proposal Outputs (Articles, Posters and Videos)	Conducting discussions with the group Of work results of making PKM Proposals with PPT	Kriteria : Able to present group work results with good coordination, and on time. Bentuk penilaian	My ITS Classroom TM = 3x50 menit PT = 1 x 60" BM = 1x60" Learning methods: Lectures small Group Disscussion Frequently Asked Questions 2x 50 minutes : Lectures/Lectures 1x50 minutes : Dskusi	Presentation of pkm proposal group work in ppt form	10%	Class Lecture r

12	CPMK 4:	Conducting discussions	Kriteria :	My ITS	Presentation of pkm	10%	Class
		with the group Of work		Classroom	proposal group work		Lecture
	Able to complete	results of making PKM	Able to present group		in ppt form		r
	the making of	Proposals with PPT	work results with good				
	Student Creativity	-	coordination, and on time				
	Program			TM - 2x50 monit			
	Proposals (PKM)		Bentuk penilaian	$PT = 1 \times 60^{\circ}$			
	and similar			BM = 1x60"			
	programs in						
	preparing project-			Learning methods:			
	based innovations			Lectures			
	along with PKM			small Group			
	Proposal Outputs			Disscussion			
	(Articles, Posters			Frequently Asked			
	and Videos).			Questions			
	,			2x 50 minutes :			
				Lectures/Lectures			
	Able to complete			1x50 minutes · Dskusi			
	the making of			1X50 minutes . Dokusi			
	Brogram (DKM)						
	Proposals and						
	similar programs						
	in proparing						
	innovation-based						
	projects along						
	with PKM						
	Proposal Outputs						
	(Articles, Posters						
	and Videos).						
13	СРМК 4:	Conducting discussions	Kriteria :	My ITS	Presentation of pkm	10%	Class
		with the group Of work	Able to present group	Classroom	proposal group work		Lecture
	Able to complete	results of making PKM	work results with good	TM - 3x50 monit	in Power Point		r
	the making of	Proposals with PPT	coordination, and on time.	$PT = 1 \times 60^{\circ}$			
	Student Creativity		Bantuk nanilaian	BM = 1x60"			
	Program		Demuk pennaian				

	Proposals (PKM)			Learning me	ethods:			
	and similar			Lectures				
	programs in			small Group)			
	preparing project-			Disscussion				
	based innovations			Frequently A	Asked			
	along with PKM			Questions				
	Proposal Outputs			2x 50 minut	es :			
	(Articles, Posters			Lectures/Le	ctures			
	and Videos).			1x50 minute	es · Dekusi			
				1X50 mmuu	. DSRusi			
	Able to complete the making of Student Creativity Program (PKM) Proposals and similar programs in preparing innovation-based projects along with PKM Proposal Outputs (Articles, Posters and Videos)							
14	Able to complete	Conducting discussions	Kriteria :	My ITS		Guidance on	20%	Class
	the making of	with groups for the	Able to complete	Classroom		Making Articles and	_0,0	Lectur
			^			0		er

	Student Creativity Program (PKM) Proposals and similar programs in preparing innovation-based projects along with PKM Proposal Outputs (Articles, Posters).	creation of PKM Articles and Proposal Posters	results of group work in the form of Articles and Posters Bentuk penilaian	TM = 3x50 menit PT = 1 x 60" BM = 1x60" Learning methods: Lectures small Group Disscussion Frequently Asked Questions 2x 50 minutes : Lectures 1x50 minutes : Dskusi	Posters from PKM Proposals		
15	CPMK 4: Able to complete the making of Student Creativity Program Proposals (PKM) and similar programs in preparing project- based innovations along with PKM Proposal Outputs (Articles, Posters and Videos). -Able to complete the making of Student Creativity Program (PKM) Proposals and	Conducting discussions with the group to discuss the results of the work of making a PKM Proposal video	 Kriteria : Able to complete results of group work in the form of Articles and Posters Bentuk penilaian 	My ITS Classroo m TM = 3x50 menit PT = 1 x 60" BM = 1x60" Learning methods: Lectures small Group Disscussion Frequently Asked Questions 2x 50 minutes : Lectures 1x50 minutes : Dskusi	Guidance on Making Videos from PKM Proposals and Collecting Final Proposals, Artikrl, Posters and Videos from PKM	15%	Class Lectur er

	similar programs in preparing innovation-based projects along with PKM Proposal Outputs (Videos).						
16	CPMK 4 : Able to complete the making of Student Creativity Program Proposals (PKM) and similar programs in preparing project- based innovations along with PKM Proposal Outputs (Articles, Posters and Videos).	Conducting discussions with groups for the collection of assignments2 aptektransidi courses	Proposal Evaluation	My ITS Classroom s TM = 3x50 menit PT = 1 x 60" BM = 1x60" Learning methods: Lectures small Group Disscussion Frequently Asked Questions 2x 50 minutes : Lectures 1x50 minutes : Dskusi	Final Proposals, Artikrl, Posters and Videos from PKM	0%	Class Lectur er
	Able to complete the making of Student Creativity Program (PKM) Proposals and similar programs in preparing innovation-based projects along with PKM						

Proposal Outputs				
(Videos).				
Total				

Notes :

1. Learning Outcomes of STUDY PROGRAM Graduates (CPL-PRODI) are abilities possessed by each STUDY PROGRAM graduate which is an internalization of attitudes, mastery of knowledge and skills in accordance with the level of their study program obtained through the learning process.

2.**CPL** charged in the course are some of the learning outcomes of study program graduates (CPL-PRODI) which are used for the formation / development of a course consisting of aspects of attitude, general skills, special skills and knowledge.

3. Course CP (CPMK) is the ability specifically described from the CPL imposed on the course, and is specific to the study material or learning material of the course.

4. **Sub-CP Course** (**Sub-CPMK**) is a specific described ability of CPMK that can be measured or observed and is the final ability planned at each stage of learning, and is specific to the learning material of the course.

5. Indicators of ability assessment in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.

6. Assessment Criteria is a benchmark used as a measure or benchmark for the achievement of learning in assessment based on predetermined indicators. Assessment creteria is a guideline for appraisers so that assessments are consistent and unbiased. Creteria can be quantitative or qualitative.

7. Forms of assessment: test and non-test.

8. Forms of learning: Lectures, Responsi, Tutorials, Seminars or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.

9. Learning Methods: Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.

10. Learning Material is a detail or description of the study material that can be presented in the form of several points and sub-subjects.

11. **The assessment** weight shall be the percentage of the assessment of each achievement of the sub-CPMK which is of proportional magnitude with the difficulty of achieving the sub-CPMK, and the total is 100%.

12. **TM=**Face-to-Face, PT=Structured assignment, BM=Self-study.

Assessment Weight:

- 1. Evaluation 1: 10% (Individual tasks)
- 2. Evaluation 2: 25% (UTS)
- 3. Evaluation 3: 30% (PKM Proposal Making)
- 4. Evaluation 4: 10% (PKM Article Creation)
- 5. Evaluation 5: 10% (PKM Poster Making)
- 6. Evaluation 5: 15% (PKM Video Creation)

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- 7. Buku : ARAHAN Pelaksanaan Tujuan Pembangunan Berkelanjutan/SDGsTeam Leader Sekretariat SDGs Kementerian PPN/Bappenas, 1 Februari 2018, Alamat Kontak: Website : sdgs.bappenas.go.id