

REPORT

**Faculty of Engineering Lecturer Learning
Monitoring
Surabaya State University**



**FACULTY OF ENGINEERING QUALITY
ASSURANCE CLUSTER**

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YEAR 2019

Endorsement Page

Stating that the 2019 Learning Monitoring Report for Lecturers in the Department of Mechanical Engineering, Electrical Engineering, Civil Engineering, Informatics Engineering and Family Welfare Education of the Faculty of Engineering is made truthfully.



Knoc /ing,
Dean of Faculty of Engineering,
Engineering

Dr. Maspiyah, M.Kes,

Surabaya, July 15, 2019
Chairman of GPM Faculty of



Prof. Dr. Munoto, M.Pd.

Table 1. Results of Recapitulation of Non-Conformity of Lecturer Learning Monitoring at the Faculty of Engineering 2019

Item	No. Urut	Jumlah Teknik Mesin (TM)				Jumlah Teknik Elektro (TE)				Jumlah Teknik Sipil (TS)				Jumlah Teknik Informatika (TI)				Jumlah Pendidikan Keseluruhan Keluarga (PKK)					Rata-rata Mula Mula Pendi TM, TE, TS, TI						
		Pendi TM	Pendi P TM	Pendi DS TM	%HAM- HAM Y1	Pendi PTE	Pendi TE	Pendi DS TE	%HAM- HAM Y2	Pendi PWS	Pendi TS	Pendi DS TS	Pendi DS WP	%HAM- HAM Y3	Pendi MIT	Pendi P TI	Pendi SI	Pendi TI	%HAM- HAM Y4	Pendi YMG	Pendi MGS	Pendi YR		Pendi Ciri	DS- TB	DS- TB	%HAM- HAM Y5		
Pendidikan Mahasiswa	1				0				0				0					0								0	0		
	2	50	25	100	50	100	100	67	50		50		25					0							75	75	33		
	3	50	25	100	50			17	50		50		25	50	50			25			50				75	21	29		
	4				0		50		17					0					0								0	3	
	5				0				0					0					0									0	0
	6				0				0					0					0			50					0	2	
	7				0				0					0					0									0	0
	8				0				0		50		13			50		13							75	100	29	11	
	9				0				0					0	50				13			50	100				25	0	
	10				0				0					0					0									0	0
	11				0				0					0					0		25						4	1	
	12				0	50			17					0					0									0	3
Pendidikan Pradiklat Injeneri	13				0			0					0					0									0	0	
	14				0			0	50			50	25	50				13							75	75	10		
	15				0			0					0					0		50					75	21	4		
	16				0			0	50			13		50	25					100	50				75	38	15		
	17				0			0					0						0							75	15	3	
	18				0			0					0						0							75	15	3	
	19				0			0					0						0							75	15	3	
	20				0			0					0						0							75	15	3	
	21				0			0					0	50	50	50	100	63	50	100	50	50			75	100	71	27	
	22				0			0					0						0								0	0	
	23				0			0					0						0								0	0	
	24				0			0					0						0		50					75	21	4	
	25				0			0					0						0								0	0	
	26				0			0					0						0								0	0	
	27				0			0					0						0			50				75	21	4	
	28				0			0					0	50					13			50				75	21	7	
Terdapat Pradiklat Injeneri	29				0			0				0						0								0	0		
	30				0			0		50		13		50				0		50		50				17	6		
	31		50		17			0		50			13	50		50	50	38		100	50	50				33	20		
	32				0	50	50	33				0	50					13			100	100			50		25	11	
	33			50	17	50	50	33				0	100	50	50	50	63				50			50		17	26		
	34				0	100	100	67		50		50	25		50	50		25			100	100	100			50	33		
	35			50	17	100	100	67		50		50	25	50	50	50	50				50	100	100			42	40		
	36				0			0	50				13	50	50			50							25		4	11	
	37	25	25		17			0	100	100	50		63	50		50		25										21	
	38				0			0			50		13	50		50		25									0	0	
39				0			0					0						0								0	0		
40			50	17			0					0	50	50	100	50	63									0	16		

In the implementation of monitoring and evaluation (Monev) of learning as well as other faculties in Surabaya State University, it is divided into 3 domains (preparation, implementation, evaluation) of learning. The learning domain in FT as a whole has been implemented, with the highest discrepancies sequentially in the learning evaluation domain of 16.18%, 7.43% learning preparation and 5.05% learning implementation.

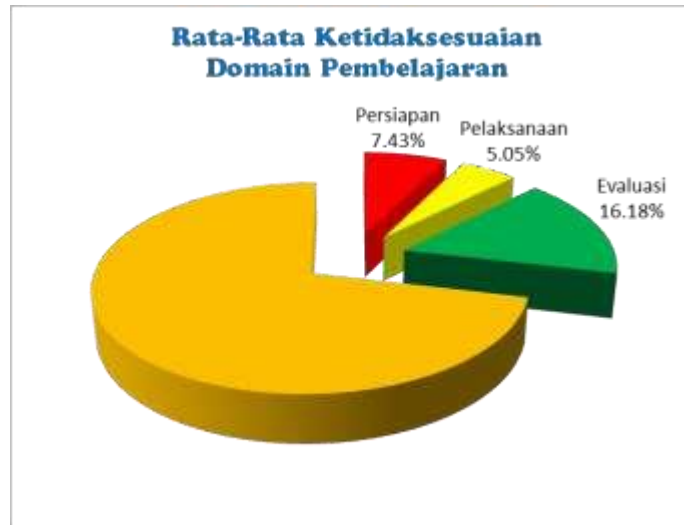


Figure. Diagram of Average Discrepancies based on 3 Domains (teaching preparation, teaching implementation and teaching evaluation)

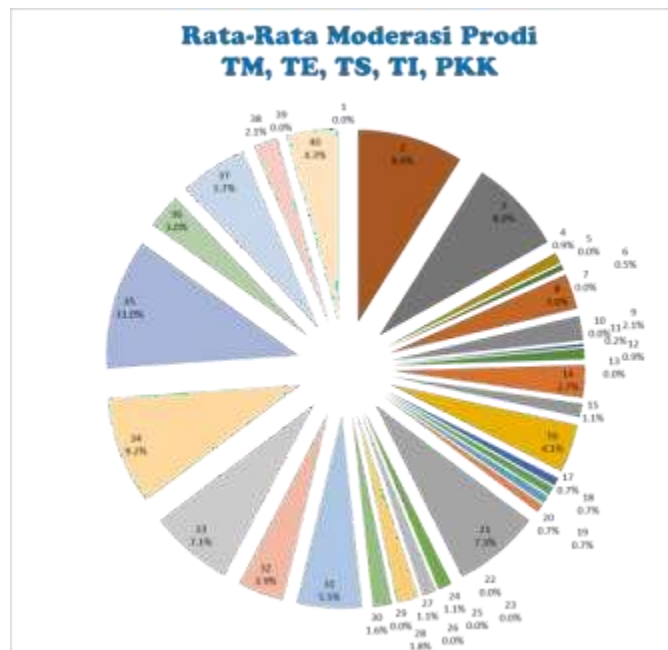


Figure 2. Diagram of Non-conformity of Lecturer Learning Monitoring Based on Instrument Items

To find out the learning mismatch in detail, an instrument consisting of 40 statement items was used. Item numbers 1 to 12 monitor and evaluate the learning preparation stage, item numbers 13 to 28 monitor and evaluate the learning implementation stage, and item numbers 29 to 40 monitor and evaluate the learning evaluation stage. The recapitulation of the results of monitoring and evaluation of lecturer learning based on the instrument items is shown in Figure 2 above.

From Figure 2, it can be seen that the highest percentage of non-conformity in the learning preparation stage is in the Electrical Engineering and Mechanical Engineering departments at 9.72%, then successively the Family Welfare Education Department at 8.33%, the Civil Engineering Department at 5.21% and the Information Engineering Department at 4.17%. More details are presented with a diagram as follows:

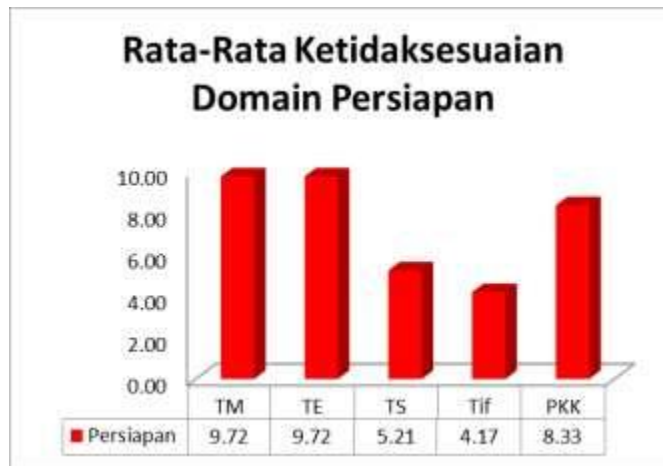


Figure 3: Percentage diagram of non-conformity of learning preparation stage

For the learning implementation stage, the highest percentage of discrepancies appears in the PKK department (15.89%), the ITf Department (7.03%) and the TS Department (2.34%) while in TE and TM the implementation of learning is in accordance with the statement instrument items. More details are presented with a diagram as follows:

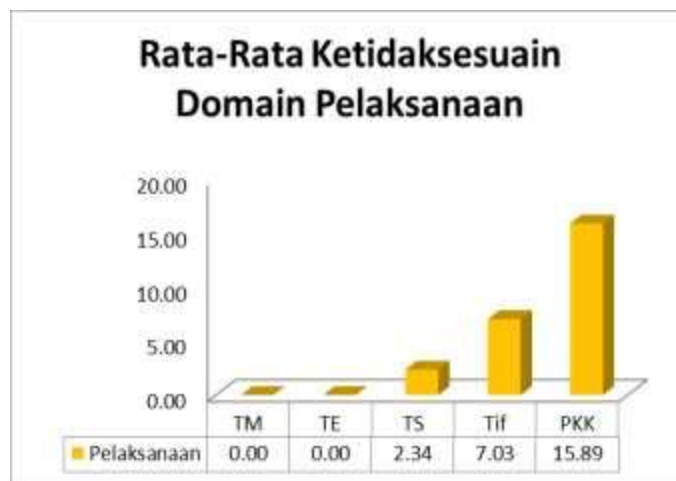


Figure 4. Diagram of Percentage of Non-conformity of Learning Implementation Stage

For the Learning evaluation stage, the highest percentage of non-conformity is in the Tif Department (28.13%), then the TE Department (16.67%), PKK Department (15.63%), TS department (13.54%) and TM Department (6.94%). More details are presented with a diagram as follows:

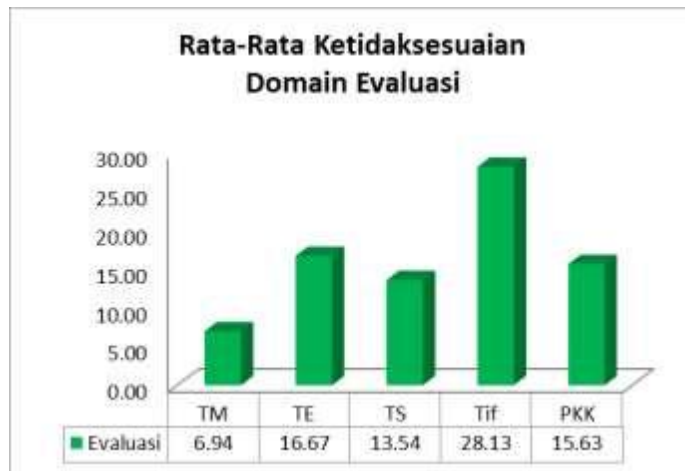


Figure 5: Percentage diagram of non-conformity of learning evaluation stage

A. Follow-up Plan.

Based on Figure 1, it can be seen that the largest percentage of non-conformity based on 3 domains is the learning evaluation domain, followed by the learning preparation domain and the learning implementation domain.

If examined further, especially Table 1 Recapitulation of Non-Conformity of Monitoring of Lecturers' learning at the Faculty of Engineering, then the largest percentage for each domain based on instrument items and or the relationship of other items can be seen in the table below:.

Learning Preparation				
No.	Grain	Findings	Percentage Nonconformance	Action Plan Next
1	2	The RPS that has been developed has not been approved by the UPM / Caprodi	33	There needs to be a time limit schedule for validation by the team in the science clusters and endorsement by UPM / Caprodi
2			29	
Learning Implementation				
No.	Grain	Findings	Percentage of Nonconformities	Follow-up Plan

3	21	Lecturers have not used RPS-based student textbooks (Tif and PKK)	27	Books Textbook that is used in the next semester's learning must be RPS-based
Learning Evaluation				
No.	Grain	Findings	Percentage Nonconformance	Action Plan Next
4	34	Lecturers develop USS assessment rubrics	33	Lecturer lecturers need compile Draft rubric
5	35	Lecturers develop US assessment rubrics	40	assessment about USS and US

Therefore, in the future, the Faculty of Engineering must make every effort to ensure that lecturers have uploaded the Semester Learning Plan (RPS) at least 7 initial meetings and ensure that the lecturer in charge of the course has drafted USS and US questions along with the assessment rubric.

Before the eighth week of each semester, a letter from the GPM will be sent out to remind that the USS and US questions are validated before being tested.

B. Generic Description

The Faculty of Engineering at Surabaya State University houses five departments, namely the Electrical Engineering Department, Mechanical Engineering Department, Civil Engineering Department, PKK Department and Informatics Engineering Department. In relation to the implementation of the Curriculum, these five departments have made learning plans, and are currently implementing these plans where the learning process accommodates the latest curriculum, and has long used a *student center* approach. By applying this approach, almost all students are actively involved in all courses, thus creating a conducive climate for teaching and learning. Based on the monitoring and evaluation that has been carried out, there are some discrepancies, but they do not affect the learning process as a whole.

Monitoring and evaluation of learning (MONEV) is carried out regularly and is driven by the Quality Assurance Group (GPM) of the Faculty of Engineering. Almost all lecturers have been monitored. This is thanks to the good cooperation and coordination between study programs through UPM and GPM Faculty of Engineering.