



Universitas Negeri Yogyakarta
Sustainably Excellent, Creative, and Innovative

MONITORING AND EVALUATION REPORT AT THE END OF EVEN SEMESTER OF THE ACADEMIC

**YEAR
2021/2022**



Quality Assurance Unit, Faculty of Engineering
Yogyakarta State University

**EMONEV RESULTS REPORT AT THE END OF EVEN SEMESTER
FACULTY OF ENGINEERING
THE ACADEMIC YEAR 2021/2022**



**QUALITY ASSURANCE TEAM
FACULTY OF ENGINEERING
YOGYAKARTA STATE UNIVERSITY
2022**

VALIDITY SHEET

Title : Report on the Emonev Results at the End of Even Semester of the Faculty of Engineering for the 2021/2022 Academic Year

Monev objective : Knowing the implementation of the Teaching and Learning Process monev at the End of Even Semester 2021/2022 Academic Year

Monev time : June 13th, 2022 - October 1, 2022

Faculty : Faculty of Engineering

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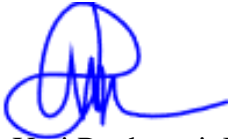
Yogyakarta, October 3rd 2022

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List of Contents

VALIDITY SHEET	1
List of Contents	2
A. Number of Respondents Who Provide Instrumental Input.....	9
1. Faculty of Engineering.....	9
2. Information Technology Department (BoIT)	9
3. Mechanical Engineering Education Department (BoMEE)	10
4. Automotive Education Department (BoAE).....	10
5. Civil Engineering Education and Education Department	11
B. Monitoring and Evaluation of Theory Courses	11
1. Faculty of Engineering (FE).....	12
2. Bachelor of Electronics Engineering Education Study Program (BoEEE) and Bachelor of Information Technology (BoIT).....	15
3. Bachelor of Mechanical Engineering Education Study Program (BoMEE).....	18
4. Bachelor of Automotive Education Study Program (BoAE)	21
5. Bachelor of Civil Engineering and Planning Education Study Program.....	23
C. Monitoring and Evaluation of Lectures for Laboratory Practice Courses.....	25
1. Faculty of Engineering.....	27
2. Bachelor of Electronic Engineering Education Study Program and Bachelor of Informatics and Information Technology	28
3. Bachelor of Mechanical Engineering Education Study Program	30
4. Bachelor of Automotive Engineering Education Study Program	32
5. Bachelor of Civil Engineering and Planning Education Study Program.....	35
D. Monitoring and Evaluation of Lectures for Practical Workshop Courses.....	37
1. Faculty of Engineering.....	38
2. Bachelor of Electronic Engineering Education Study Program and Bachelor of Informatics and Information Technology	39
3. Mechanical Engineering Education Study Program – S1	42
4. Bachelor of Automotive Education (BoAE) Study Programme – Bachelor Degree 45	
5. Bachelor of Civil Engineering Education and Planning (BoCEEP) Study Programme – Bachelor Degree.....	47

E. Monitoring and Evaluation of Final Courses.....	49
1. Faculty of Engineering.....	50
2. Bachelor of Electronics Engineering Education (BoEEE) Study Programme – Bachelor Degree and Bachelor of Information Technology (BoIT) – Bachelor Degree	52
3. Bachelor of Mechanical Engineering Education (BoMEE) Study Programme – Bachelor Degree.....	54
4. Bachelor of Automotive Education (BoAE) Study Programme – Bachelor Degree 56	
5. Bachelor of Civil Engineering Education and Planning (BoCEEP) Study Programme – Bachelor Degree.....	58
F. Recommendation.....	60

List of Tables

Table 1. Number of Completed Questionnaires in the Faculty of Engineering...	8
Table 2. Number of Completed Questionnaires in the Electronics Engineering Education Department	8
Table 3. Number of Completed Questionnaires at JPTEI	9
Table 4. Number of Completed Questionnaires in the Mechanical Engineering Education Department	10
Table 5. Number of Completed Questionnaires in the Automotive Education Department	10
Table 6. Number of Completed Questionnaires in the Civil Engineering Education and Planning Department	11
Table 7. Number of Completed Questionnaires in the Food and Clothing Engineering Education Department	11
Table 8. Monitoring and Evaluation at the End of Semester Lectures for Even Semester Theory Courses Academic Year 2021/2022 FE UNY	12
Table 9. Monitoring and Evaluation at the End of Semester Lectures for Even Semester Theory Courses Academic Year 2021/2022 JPTE	14
Table 10. Monitoring and Evaluation of End of Semester Lectures for Even Semester Theory Courses Academic Year 2021/2022 JPTEI	17
Table 11. Monitoring and Evaluation of End of Semester Lectures for Even Semester Theory Courses Academic Year 2021/2022 JPTM	19
Table 12. Monitoring and Evaluation of Lectures at the End of Semester for Even Semester Theory Courses Academic Year 2021/2022 JPTO	21
Table 13. Monitoring and Evaluation of End of Semester Lectures for Even Semester Theory Courses Academic Year 2021/2022 JPTSP	24
Table 14. Monitoring and Evaluation of End of Semester Lectures for Even Semester Theory Courses Academic Year 2021/2022 JPTBB	26
Table 15. Monitoring and Evaluation of Lectures at the End of Even Semester Laboratory Courses Academic Year 2021/2022	29

Table 16. Monitoring and Evaluation of Lectures at the End of Even Semester for Laboratory Courses in the Academic Year 2021/2022.	31
Table 17. Monitoring and Evaluation of Lectures at the End of Even Semester for Laboratory Courses in the Academic Year 2021/2022.	34
Table 18. Monitoring and Evaluation of Lectures at the End of Even Semester for Laboratory Courses in the Academic Year 2021/2022.	36
Table 19. Monitoring and Evaluation of Lectures at the End of Even Semester for Laboratory Courses in the Academic Year 2021/2022.	38
Table 20. Monitoring and Evaluation of Lectures at the End of Even Semester for Laboratory Courses in the Academic Year 2021/2022.	40
Table 21. Monitoring and Evaluation of Lectures at the End of Even Semester for Laboratory Courses in the Academic Year 2021/2022.	42
Table 22. Monitoring and Evaluation of Lectures at the End of Even Semester Workshop Courses Academic Year 2021/2022.	45
Table 23. Monitoring and Evaluation of Lectures at the End of Even Semester Workshop Courses Academic Year 2021/2022.	48
Table 24. Monitoring and Evaluation of Lectures at the End of Even Semester Workshop Courses Academic Year 2021/2022.	51
Table 25. Monitoring and Evaluation of Lectures at the End of Even Semester Workshop Courses Academic Year 2021/2022.	53
Table 26. Monitoring and Evaluation of Lectures at the End of Even Semester Workshop Courses Academic Year 2021/2022.	55
Table 27. Monitoring and Evaluation of Lectures at the End of Even Semester Workshop Courses Academic Year 2021/2022.	57
Table 28. Monitoring and Evaluation of Lectures at the End of Even Semester Workshop Courses Academic Year 2021/2022.	59
Table 29. Monitoring and Evaluation of Lectures at the End of Even Semester Final Assignment Courses Academic Year 2021/2022.	63
Table 30. Monitoring and Evaluation of Lectures at the End of Even Semester Final Assignment Courses Academic Year 2021/2022.	65

Table 31. Monitoring and Evaluation of Lectures at the End of Even Semester Final Assignment Courses Academic Year 2021/2022.	67
Table 32. Monitoring and Evaluation of Lectures at the End of Even Semester Final Assignment Courses Academic Year 2021/2022.	69
Table 33. Monitoring and Evaluation of Lectures at the End of Even Semester Final Assignment Courses Academic Year 2021/2022.	71
Table 34. Monitoring and Evaluation of Lectures at the End of Even Semester Final Assignment Courses Academic Year 2021/2022.	72
Table 35. Monitoring and Evaluation of Lectures at the End of Even Semester Final Assignment Courses Academic Year 2021/2022.	75

List of Figures

Figure 1. Monitoring and Evaluation of End of Even Semester Lectures for Theory Courses Academic Year 2021/2022 FE UNY	14
Figure 2. Monitoring and Evaluation of End of Even Semester Lectures for Theory Courses Academic Year 2021/2022 JPTE	16
Figure 3. Monitoring and Evaluation of End of Even Semester Lectures for Theory Courses Academic Year 2021/2022 JPTEI	18
Figure 4. Monitoring and Evaluation of Lectures at the End of Even Semester for Theory Courses Academic Year 2021/2022 JPTM	21
Figure 5. Monitoring and Evaluation of End of Even Semester Lectures for Theory Courses for Academic Year 2021/2022 JPTO	23
Figure 6. Monitoring and Evaluation of End of Even Semester Lectures for Theory Courses Academic Year 2021/2022 JPTSP	25
Figure 7. Monitoring and Evaluation of End of Even Semester Lectures for Theory Courses Academic Year 2021/2022 JPTBB	27
Figure 8. Monitoring and Evaluation of End of Even Semester Lectures for Laboratory Courses Academic Year 2021/2022 FT	31
Figure 9. Monitoring and Evaluation of Lectures at the End of Even Semester for Laboratory Courses Academic Year 2021/2022 JPTE	33
Figure 10. Monitoring and Evaluation of End of Even Semester Lectures for Laboratory Courses Academic Year 2021/2022 JPTEI	35
Figure 11. Monitoring and Evaluation of End of Even Semester Lectures for Laboratory Courses Academic Year 2021/2022 JPTM	37
Figure 12. Monitoring and Evaluation of Lectures at the End of Even Semester for Laboratory Courses Academic Year 2021/2022 JPTO	39
Figure 13. Monitoring and Evaluation of Final Even Semester Lectures for Laboratory Courses Academic Year 2021/2022 JPTSP	41
Figure 14. Monitoring and Evaluation of End of Even Semester Lectures for Laboratory Courses Academic Year 2021/2022 JPTBB	44

Figure 15. Monitoring and Evaluation of End of Even Semester Lectures for Workshop Courses Academic Year 2021/2022 FT UNY	48
Figure 16. Monitoring and Evaluation of End of Even Semester Lectures for Workshop Courses Academic Year 2021/2022 JPTE	50
Figure 17. Monitoring and Evaluation of End of Even Semester Lectures for Workshop Courses Academic Year 2021/2022 JPTEI	52
Figure 18. Monitoring and Evaluation of End of Even Semester Lectures for Workshop Courses Academic Year 2021/2022 JPTM	54
Figure 19. Monitoring and Evaluation of End of Even Semester Lectures for Workshop Courses Academic Year 2021/2022 JPTO	56
Figure 20. Monitoring and Evaluation of End of Even Semester Lectures for Workshop Courses Academic Year 2021/2022 JPTSP	59
Figure 21. Monitoring and Evaluation of End of Even Semester Lectures for Workshop Courses Academic Year 2021/2022 JPTBB	61
Figure 22. Monitoring and Evaluation of Final Semester Lectures for Even Semester Final Assignment Courses for 2021/2022 Academic Year FE UNY	64
Figure 23. Monitoring and Evaluation of Final Semester Lectures for Even Semester Final Project Courses for Academic Year 2021/2022 JPTE	66
Figure 24. Monitoring and Evaluation of Lectures at the End of Even Semester Laboratory Courses Academic Year 2021/2022 JPTEI	68
Figure 25. Monitoring and Evaluation of Final Semester Lectures for Even Semester Final Project Courses for Academic Year 2021/2022 JPTM	70
Figure 26. Monitoring and Evaluation of Final Semester Lectures for Even Semester Final Project Courses for Academic Year 2021/2022 JPTO	72
Figure 27. Monitoring and Evaluation of Final Semester Lectures for Even Semester Final Assignment Courses for the 2021/2022 Academic Year JPTSP	74
Figure 28. Monitoring and Evaluation of Final Semester Lectures for Even Semester Final Assignments for 2021/2022 Academic Year JPTBB	76

**RESULTS REPORT FOR THE END OF EVEN SEMESTER EMONEV
IN 2021/2022 ACADEMIC YEAR**

A. Number of Respondents Who Provide Instrumental Input

1. Faculty of Engineering

Instrument filling was carried out on June 20-26, 2022, for Faculty of Engineering, Universitas Negeri Yogyakarta students. Instrument filling was done through the <http://survey.uny.ac.id/> system. The Faculty of Engineering has four departments: JPTEI, JPTM, JPTO, and JPTSP.

Table 1. Number of Completed Questionnaires in the Faculty of Engineering

2. Information Technology Department (BoIT)

The Department of Information Technology (JPTEI), there are 2 study programs under its supervision, namely Bachelor of Electronics Engineering Education (PTEI) and Bachelor of Information Technology. The following are the results of the filled questionnaire obtained in Table 3 in the study program at JPTEI.

Table 3. Number of Completed Questionnaires at JPTEI

No	Study program	Entry	
		Fill in	Not Filled Yet
1.	Bachelor of Electronics Engineering Education	94.86 %	5.14 %
2.	Bachelor of Information Technology	96.42 %	3.58 %

Table 3 shows the number of questionnaire entries at JPTEI FE UNY.

The lowest monitoring and evaluation questionnaire for the first week of lectures was obtained by the Bachelor of Information Technology Study Program at 91.87% and the highest for the Bachelor degree at Electronics Engineering Education Study Program at 94.86%.

3. Mechanical Engineering Education Department (BoMEE)

The Mechanical Engineering Education Department (JPTM) has a study program under the Bachelor of Mechanical Engineering Education. The following are the results of the filled questionnaire obtained in Table 4 in the study program at JPTM.

Table 4. Number of Completed Questionnaires in the Mechanical Engineering Education Department

No	Study program	Entry	
		Fill in	Not Filled Yet
1.	Bachelor of Mechanical Engineering Education	95.10 %	4.9 %

Table 4 shows the number of questionnaire entries at JPTM FE UNY. The contents of the monitoring and evaluation questionnaire for the first week of lectures were filled in by 95.10%, and those who had not filled out were 4.9%.

4. Automotive Education Department (BoAE)

The Automotive Engineering Education Department (JPTO) has a Bachelor of Automotive Engineering Education study program. The following are the results of the filled questionnaire obtained in Table 5 in the study program at JPTO.

Table 5. Number of Completed Questionnaires in the Department of Automotive Education

No	Study program	Entry	
		Fill in	Not Filled Yet
1.	Bachelor of Automotive Engineering Education	92.34 %	7.66 %

Table 5 shows the number of questionnaire entries at JPTO FE UNY. The contents of the monitoring and evaluation questionnaire for the first week of lectures were filled in by 92.34%, and those who had not filled out were 7.66%.

5. Civil Engineering Education and Education Department

The Department of Civil Engineering Education and Planning (JPTSP) has a study program supervised, namely Bachelor of Civil Engineering Education and Planning. The following are the results of the filled questionnaire obtained in Table 6 in the study program at JPTSP.

Table 6. Number of Completed Questionnaires in the civil Engineering Education and Planning Department

No	Study program	Entry	
		Fill in	Not Filled Yet
1.	Bachelor of Civil Engineering Education and Planning	96.24 %	3.76 %

Table 6 shows the number of questionnaire entries at JPTSP FT UNY. The contents of the monitoring and evaluation questionnaire for the first week of lectures were filled in by 96.24%, and those who had not filled out were 3.76%.

B. Monitoring and Evaluation of Theory Courses

Monitoring and Evaluation of lectures are divided into four leading indicators: monitoring and Evaluation of theoretical lectures, monitoring and Evaluation of practical laboratory lectures, monitoring and Evaluation of practical workshop lectures, and monitoring and Evaluation of lectures for the Final Project course. Monitoring and Evaluating lectures at the end of the

semester for theory courses are measured by several indicators. These indicators were assessed by respondents, namely students who took the course. These indicators include: (1) conformity of learning with the Semester Learning Plan (RPS); (2) materials coherence in delivered in the lectures; (3) the ability of lecturers to motivate students in lectures; (4) the lecturers' mastery of lecture material in general; (5) the meaningfulness of lecture material with the profession to be occupied; (6) the clarity of the lecturer in explaining lecture material; (7) the effectiveness of time usage in lectures; (8) the suitability of media and tools used in lectures; (9) the completeness of teaching materials used by lecturers; (10) the use of up to date technology in lectures; (11) the lecturer's response in responding to student questions and opinions; (12) the appropriate feedback given by lecturers in learning; (13) the variations in giving assignments and assessments by lecturers; (14) the conformity of the exam with the material presented by the lecturer; and (15) the lecturer's concern for students' difficulties; (10) the use of up to date technology in lectures; (11) the lecturer's response in responding to student questions and opinions; (12) the appropriate feedback given by lecturers in learning; (13) the variations in giving assignments and assessments by lecturers; (14) the conformity of the exam with the material presented by the lecturer; and (15) the lecturer's concern for students' difficulties.

1. Faculty of Engineering (FE)

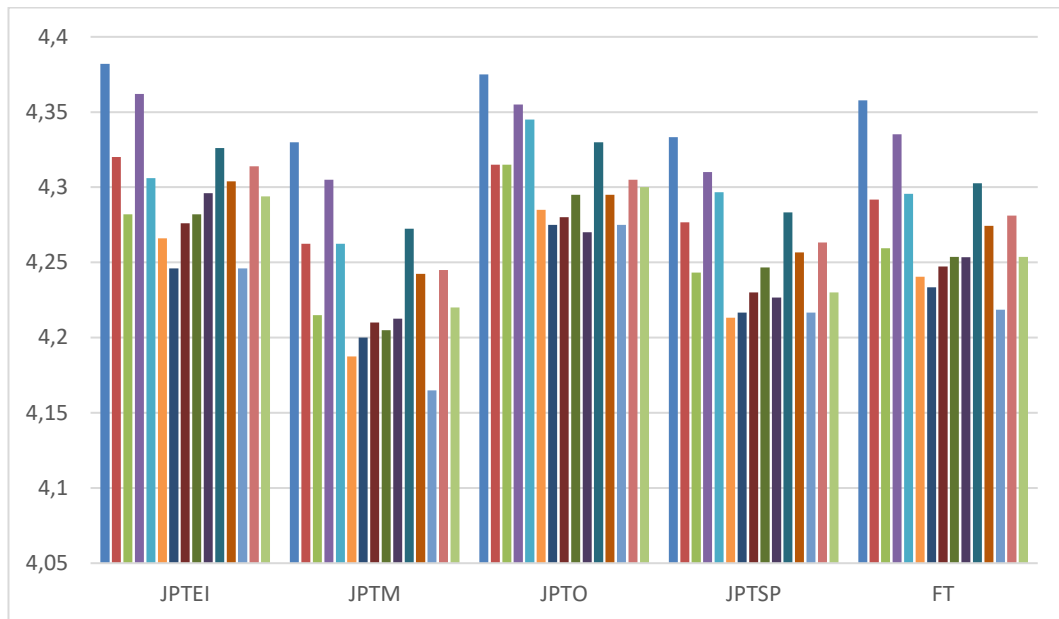
The results of the average monitoring and Evaluation of theoretical lectures at the Faculty of Engineering, UNY, are shown in Table 8 and Figure 1.

Table 8. Monitoring and Evaluation of Lectures at the End of Even Semester Theory Courses for Academic Year 2021/2022 FE UNY

No	Elements/Items	JPTE	JPTEI	JPTM	JPTO	JPTSP	FE
1.	Compatibility of learning with the Semester Learning Plan (RPS)	4.37	4.38	4.33	4.38	4.33	4.36

No	Elements/Items	JPTE	JPTEI	JPTM	JPTO	JPTSP	FE
2.	Materials coherence in delivered in the lectures	4.29	4.32	4.26	4.32	4.28	4.29
3.	The ability of lecturers to motivate students in lectures	4.25	4.28	4.22	4.32	4.24	4.26
4.	Lectures' mastery of lecture material in general	4.33	4.36	4.31	4.36	4.31	4.34
5.	The meaningfulness of lecture material with the profession to be occupied	4.27	4.31	4.26	4.35	4.30	4.30
6.	The clarity of the lecturer in explaining the lecture material	4.23	4.27	4.19	4.29	4.21	4.24
7.	The effectiveness of time usage in lectures	4.22	4.25	4.20	4.28	4.22	4.23
8.	The suitability of the media and tools used in lectures	4.22	4.28	4.21	4.28	4.23	4.25
9.	The completeness of teaching materials used by lecturers	4.23	4.28	4.21	4.30	4.25	4.25
10.	The use of up-to-date technology in lectures	4.24	4.30	4.21	4.27	4.23	4.25

No	Elements/Items	JPTE	JPTEI	JPTM	JPTO	JPTSP	FE
11	The lecturer's response in responding to students' questions and opinions	4.29	4.33	4.27	4.33	4.28	4.30
12	The suitability of the feedback given by the lecturer in learning	4.26	4.30	4.24	4.30	4.26	4.27
13	The variations in giving assignments and assessments by lecturers	4.17	4.25	4.17	4.28	4.22	4.22
14	The conformity of the exam with the material presented by the lecturer	4.25	4.31	4.25	4.31	4.26	4.28
15	Lecturer's concern for student difficulties	4.21	4.29	4.22	4.30	4.23	4.25
Average		4.26	4.30	4.24	4.31	4.26	4.27
Category		Very good	Very good	Very good	Very good	Very good	Very good



Picture 1. Monitoring and Evaluation of Lectures at the End of Semester Even Semester Theory Courses for Academic Year 2021/2022 FT UNY

Based on Table 8 and Figure 1 It is known that the results of the questionnaire monitoring and Evaluation of lectures at the end of the semester for even semester theory courses for the 2021/2022 Academic Year FT UNY have an average of 4.27 in the Very Good category. This shows that implementing end-of-semester lectures at FT UNY is in the Very Good category.

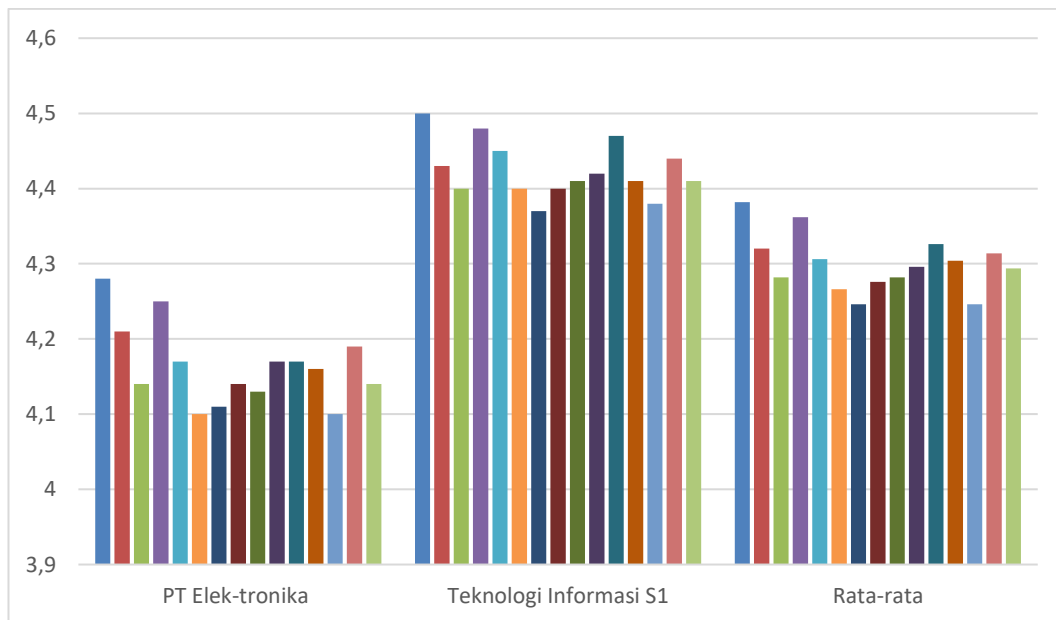
2. Bachelor of Electronics Engineering Education Study Program (BoEEE) and Bachelor of Information Technology (BoIT)

The results of the average monitoring and Evaluation of the study program theory lectures at JPTEI are shown in Table 10 and Figure 3.

Table 10. Monitoring and Evaluation of the End of Even Semester Lectures in Theory Courses 2021/2022 Academic Year Bachelor of Electronics Engineering Education Study Program and Bachelor of Information Technology

No	Elements/Items	BoEEE	BoIT	Average
1	Compatibility of learning with the Semester Learning Plan (RPS)	4,28	4,5	4,39
2	Materials coherence in delivered in the lectures	4,21	4,43	4,32
3	The ability of lecturers to motivate students in lectures	4,14	4,4	4,27
4	Lectures' mastery of lecture material in general	4,25	4,48	4,365
5	The meaningfulness of lecture material with the profession to be occupied	4,17	4,45	4,31
6	The clarity of the lecturer in explaining the lecture material	4,1	4,4	4,25
7	The effectiveness of time usage in lectures	4,11	4,37	4,24
8	The suitability of the media and tools used in lectures	4,14	4,4	4,27
9	The completeness of teaching materials used by lecturers	4,13	4,41	4,27
10	The use of up-to-date technology in lectures	4,17	4,42	4,295
11	The lecturer's response in responding to students' questions and opinions	4,17	4,47	4,32

No	Elements/Items	BoEEE	BoIT	Average
12	The suitability of the feedback given by the lecturer in learning	4,16	4,41	4,285
13	The variations in giving assignments and assessments by lecturers	4,1	4,38	4,24
14	The conformity of the exam with the material presented by the lecturer	4,19	4,44	4,315
15	Lecturer's concern for student difficulties	4,14	4,41	4,275
Average		4,16	4,42	4,29
Category		Good	Very good	Very good



Picture 3. Monitoring and Evaluation of the End of Even Semester Lectures Theory Courses for 2021/2022 Academic Year JPTEI

Based on Table 10 and Figure 3, it is known that the results of the questionnaire monitoring and Evaluation of lectures at the end of the even

semester theory courses for the 2021/2022 Academic Year JPTEI FE UNY have an average of 4.29 by category "**Very good**". This shows that the implementation of end-of-semester lectures in the Bachelor of Electronics Engineering Education Study Program and Bachelor of Information Technology is in the "very good" category. The average details obtained for the BoEEE Study Program are as much as 4.16 and a BoIT of 4.42. All averages obtained by study programs at JPTEI are in very good and good categories. Elements/items in the JPTEI questionnaire have the lowest value, which is 4.10 on items. The clarity of the lecturer in explaining the lecture material and variations in giving assignments and assessments by lecturers in the BoEEE study program are still in the good category. Overall the category obtained is very good.

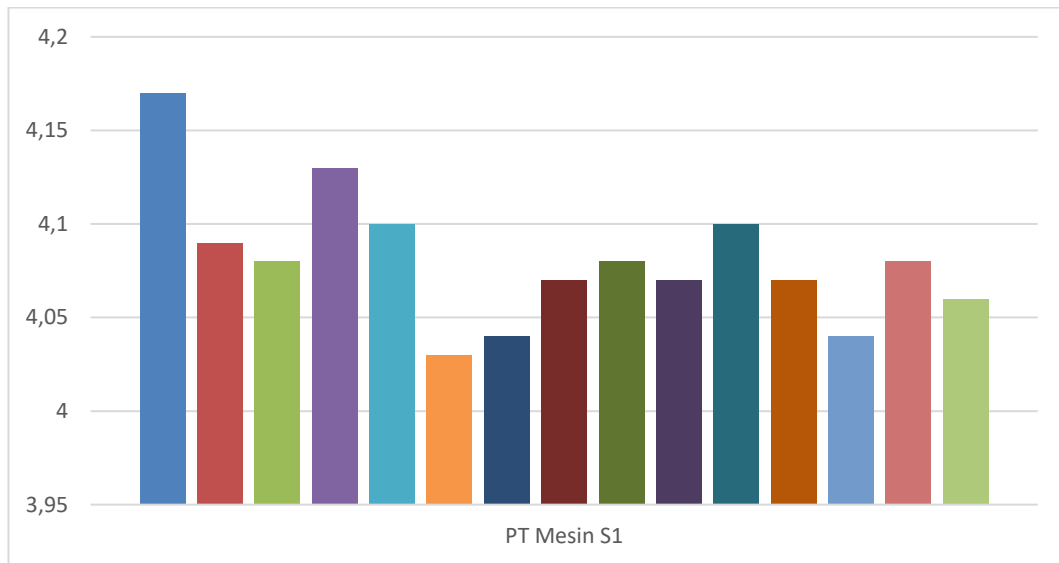
3. Bachelor of Mechanical Engineering Education Study Program (BoMEE)

The average results of monitoring and Evaluation of theoretical lectures of the Study Program in Bachelor of Mechanical Engineering Education are shown in Table 11 and Figure 4.

Table 11. Monitoring and Evaluation of the End of Even Semester Lectures for Theory Courses for the 2021/2022 Academic Year in the Bachelor of Mechanical Engineering Education Study Programme

No	Elements/Items	BoMEE
1	Compatibility of learning with the Semester Learning Plan (RPS)	4,17
2	Materials coherence in delivered in the lectures	4.09
3	The ability of lecturers to motivate students in lectures	4.08
4	Lectures' mastery of lecture material in general	4,13

5	The meaningfulness of lecture material with the profession to be occupied	4,1
6	The clarity of the lecturer in explaining the lecture material	4.03
7	The effectiveness of time usage in lectures	4.04
8	The suitability of the media and tools used in lectures	4.07
9	The completeness of teaching materials used by lecturers	4.08
10	The use of up-to-date technology in lectures	4.07
11	The lecturer's response in responding to students' questions and opinions	4,1
12	The suitability of the feedback given by the lecturer in learning	4.07
13	The variations in giving assignments and assessments by lecturers	4.04
14	The conformity of the exam with the material presented by the lecturer	4.08
15	Lecturer's concern for student difficulties	4.06
Average		4.08
Category		Good



Picture 4. Monitoring and Evaluation of the End of Even Semester Lectures for Theory Courses for 2021/2022 Academic Year on Bachelor of Mechanical Engineering Education Study Program

Based on Table 11 and Figure 4, it is known that the results of the questionnaire monitoring and Evaluation of lectures at the end of the even semester for theory courses for the 2021/2022 Academic Year of the Bachelor of Mechanical Engineering Education Study Program FE UNY have an average 4.24, which is included in “very good” category. This shows that the implementation of end-of-semester lectures in the Bachelor of Mechanical Engineering Education Study Program is in a good category. The average obtained for the Bachelor of Mechanical Engineering Education Study Program is 4.08. Therefore, all averages obtained by study programs at JPTM are in a good category. Elements/items in the JPTM questionnaire have the lowest value, 4.03, on the item the clarity of the lecturer in explaining the lecture materials in the Bachelor of Mechanical Engineering Education study program, which is still in the good category. The "Compatibility of learning with the Semester Learning Plan (RPS)" obtained the highest item score. Overall, the category obtained is good.

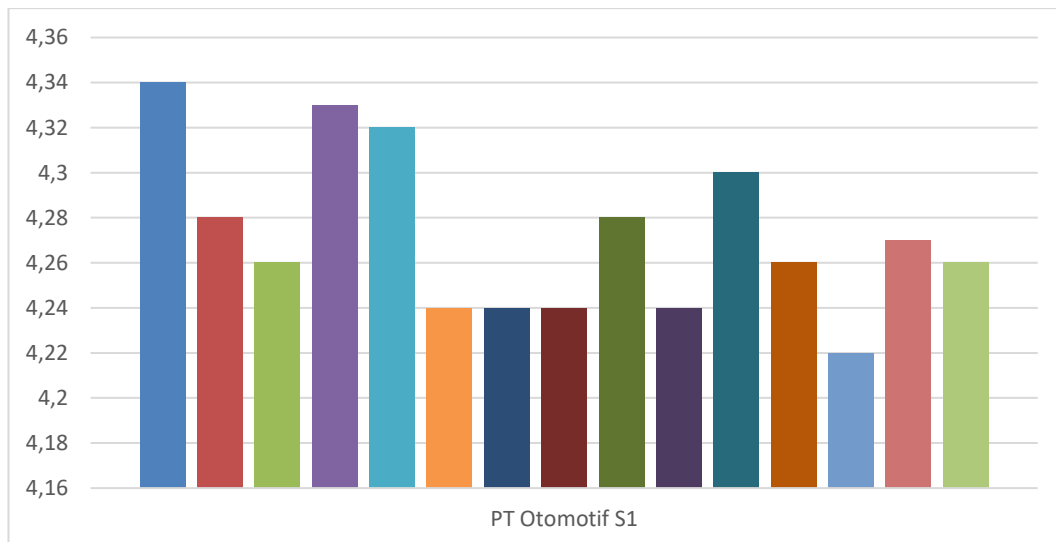
4. Bachelor of Automotive Education Study Program (BoAE)

The average results of monitoring and evaluation theoretical lectures of the Study Program in Bachelor of Automotive Education are shown in Table 12 and Figure 5.

Table 12. Monitoring and Evaluation of End of Even Semester Lectures in Theory Course for 2021/2022 Bachelor of Automotive Education Study Program Academic Year.

No	Elements/Items	BoAE
1	Compatibility of learning with the Semester Learning Plan (RPS)	4,34
2	Materials coherence in delivered in the lectures	4,28
3	The ability of lecturers to motivate students in lectures	4,26
4	Lectures' mastery of lecture material in general	4,33
5	The meaningfulness of lecture material with the profession to be occupied	4,32
6	The clarity of the lecturer in explaining the lecture material	4,24
7	The effectiveness of time usage in lectures	4,24
8	The suitability of the media and tools used in lectures	4,24
9	The completeness of teaching materials used by lecturers	4,28
10	The use of up-to-date technology in lectures	4,24
11	The lecturer's response in responding to students' questions and opinions	4,3

12	The suitability of the feedback given by the lecturer in learning	4,26
13	The variations in giving assignments and assessments by lecturers	4,22
14	The conformity of the exam with the material presented by the lecturer	4,27
15	Lecturer's concern for student difficulties	4,26
Average		4,272
Category		Very good



Picture 5. Monitoring and Evaluation of End of Even Semester Lectures in Theory Course 2021/2022 Academic Year of Bachelor of Automotive Education Study Program

Based on Table 12 and Figure 5, it is known that the results of the questionnaire monitoring and Evaluation of lectures at the end of the even semester for theory courses in the 2021/2022 Academic Year at the Bachelor of Automotive Education Study Program Faculty of Economy YSU have an average 4,272, which is included in the “very good” category. This shows that the implementation of end-of-semester lectures in the Bachelor of Automotive Education Study Program is in the very good category. Therefore, the average

obtained by the Bachelor of Automotive Education Study Program is very good. The elements/items in the JPTO questionnaire have the lowest value, 4.22, on the “Variation item of assignments and assessment by lecturers”, which is still included in the “very good” category. On the other hand, the highest item score is "Compatibility of learning with the Semester Learning Plan (RPS)", with a value of 4.34 in the very good category. Therefore, overall the category obtained is very good.

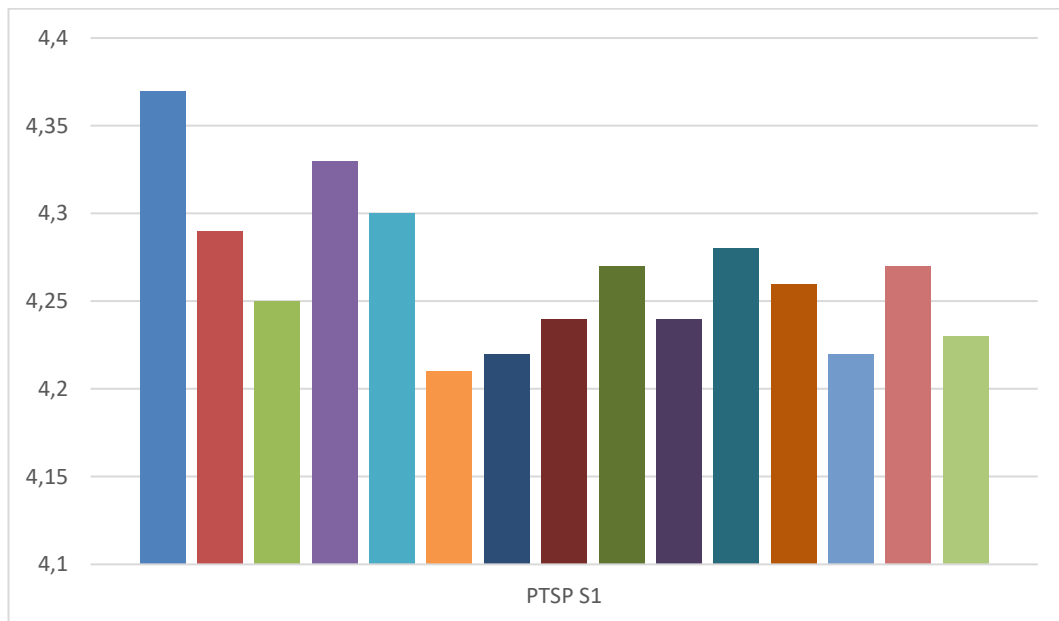
5. Bachelor of Civil Engineering and Planning Education Study Program

The average results of monitoring and evaluation of theoretical lectures of Study Programs in Bachelor of Civil Engineering and Planning Education Study Program are shown through Table 1 and **Error! Reference source not found..**

Table 1. Monitoring and Evaluation of Final Semester Lectures Theory Courses Even Semester 2021/2022 Academic Year JPTSP

No	Elements/Items	PTSP S1
1	Compatibility of learning with the Semester Learning Plan (RPS)	4,37
2	The lecturer’s coherence in delivering material during lectures	4,29
3	The ability of lecturers to motivate students during lectures	4,25
4	The lecturer’s mastery of giving lecture in general	4,33
5	The meaningfulness of lecture material with the profession to be occupied	4,3
6	The clarity of the lecturer in explaining the lecture material	4,21
7	The effective use of time during lectures	4,22
8	The suitability of media and tools used in lectures	4,24
9	Completeness of teaching materials used by lecturers	4,27

10	The use of up to date technology in lectures	4,24
11	The lecturer's response in responding student's questions and opinions	4,28
12	The suitability of the feedback given by the lecturer in learning	4,26
13	Variations in giving assignments and assessments by lecturers	4,22
14	The suitability ty of the exam with the material presented by the Lecturer	4,27
15	Lecturer's concern for student difficulties	4,23
Average		4,27
Category		Very good



Picture 1. Monitoring and Evaluation of Final Semester Lectures for Theory Courses Even Semester for 2021/2022 Academic Year Bachelor of Civil Engineering and Planning Education Study Program

Based on Table 1 And **Error! Reference source not found.**, it is known that the results of the questionnaire monitoring and evaluation of lectures at the end of the semester for even semester theory courses for the 2021/2022 Academic Year JPTSP Faculty of Engineering YSU have an average of 4.27 in the very good category. This shows that the implementation of end-of-semester

lectures at JPTSP is in the very good category. The elements/items in the JPTSP questionnaire have the lowest value of 4.21 on the item The clarity of the lecturer in explaining the lecture material which is still included in the good category. Highest items Compatibility of learning with the Semester Learning Plan (RPS) with a value of 4.37 in very good category. Overall the category obtained is very good.

C. Monitoring and Evaluation of Lectures for Laboratory Practice Courses

The Laboratory Practice course has its own questionnaire instrument for monitoring and evaluating lectures at the end of the semester for laboratory courses. The instruments used in this laboratory course are specifically used to monitor and evaluate laboratory class lectures. This questionnaire instrument consists of 15 items, including: (1) Conformity of practicum topics with semester learning plans; (2) Mastery of the lecturer according to the teaching materials practiced; (3) Clarity of assistance or demonstration before the implementation of practicum topics; (4) The significance of practicum teaching materials with the profession to be occupied; (5)

No	Elements/Items	JPTEI	JPTM	JPTO	JPTSP	FT
1	The suitability of practicum topics with semester learning plans	4,38	4,2	4	4,43	4,355
2	Mastery of the lecturer according to the teaching materials practiced	4,34	4,15	4,37	4,38	4,308
3	Clarity of assistance or demonstration before the implementation of practicum topics	4,26	4,05	4	4,27	4,239
4	The significance of practicum teaching materials with the profession to be occupied	4,33	4,12	4	4,39	4,297
5	Checking student attendance/attendance at each practicum implementation	4,31	4,1	5	4,31	4,297

No	Elements/Items	JPTEI	JPTM	JPTO	JPTSP	FT
6	Compatibility of pretest questions with practical implementation	4,27	4.08	4	4,27	4,239
7	Lecturer presence during practicum	4,23	4,11	4	4,24	4,245
8	Clarity of practicum instructions/work sheets	4,27	4.05	4,32	4,23	4,216
9	Intensity of lecturer guidance during practicum activities	4,23	4.07	4	4,23	4,207
10	The lecturer pays special attention to students who experience difficulties in practicum	4,25	4.06	4,43	4,21	4,228
11	Effectiveness of time during the implementation of the curriculum	4,25	4.08	4	4,27	4,247
12	Discussion of the results of each practicum implementation	4,22	4.02	4	4,25	4,209
13	Giving the opportunity to repeat the practicum for students who fail	4,25	4.05	4,41	4,3	4,246
14	The ability of lecturers to increase students' active participation in practicum	4,24	4.09	4.39	4,24	4,232
15	Periodicity / phasing in conducting assessments during practicum continuously	4,25	4.08	4	4,29	4,247
Average		4,27	4.09	4.39	4,29	4,254
Category		Very good	Good	Very good	Very good	0

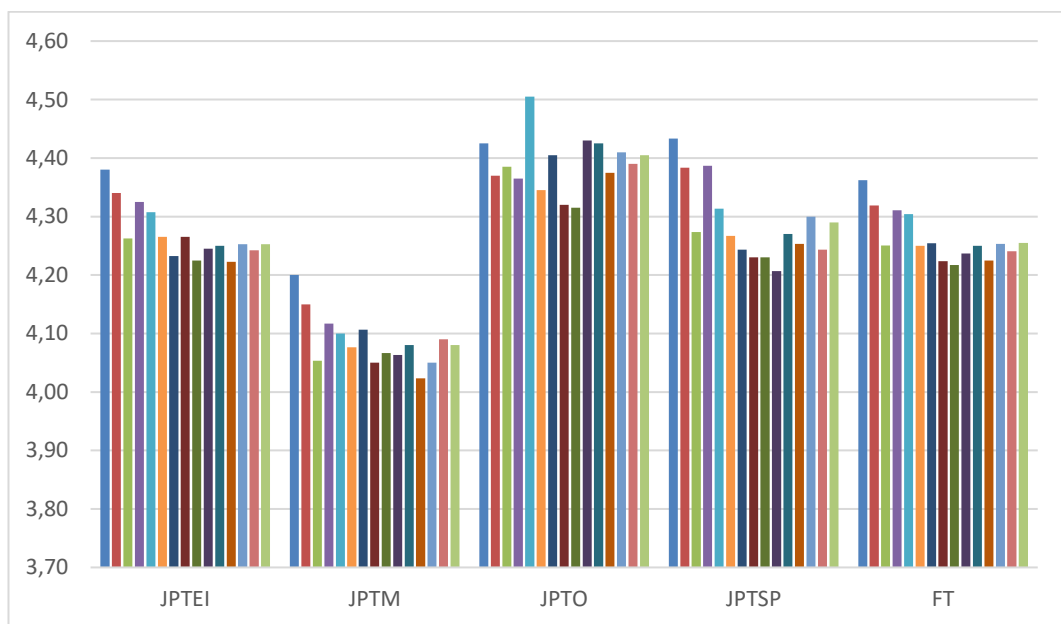
Checking student attendance/attendance at each practicum implementation; (6) Compatibility of pretest questions with practicum implementation; (7) Lecturer presence during practicum; (8) Clarity of practicum instructions/work sheets; (9) The intensity of lecturer guidance during practicum activities; (10) Lecturers pay special attention to students who experience difficulties in practicum; (11) Time effectiveness during curriculum

implementation; (12) Discussion of the results of each practicum implementation; (13) Giving the opportunity to repeat the practicum for students who fail; (14) The ability of lecturers to increase students' active participation in practicums; and (15) Periodicity/phasing in conducting continuous assessments during practicum.

1. Faculty of Engineering

The average results of monitoring and evaluation of lectures at the end of the semester for laboratory study programs at YSU Faculty of Engineering can be seen **Error! Reference source not found.** and **Error! Reference source not found.**

Table 2. Monitoring and Evaluation of Lectures at the End of Semester Laboratory Courses for Even Semester Academic Year 2021/2022



Picture 2. Monitoring and Evaluation of Lectures at the End of Semester Laboratory Courses for Even Semester Academic Year 2021/2022 FT

Based on **Error! Reference source not found.** and **Error! Reference source not found.**, it is known that the results of the questionnaire monitoring and evaluation of lectures at the end of the semester for even semester laboratory courses for the 2021/2022 Academic Year Faculty of Engineering

YSU have an average of 4.26 in the very good category. This shows that the implementation of lectures for laboratory courses at the end of the semester at Faculty of Engineering YSU is in the very good category.

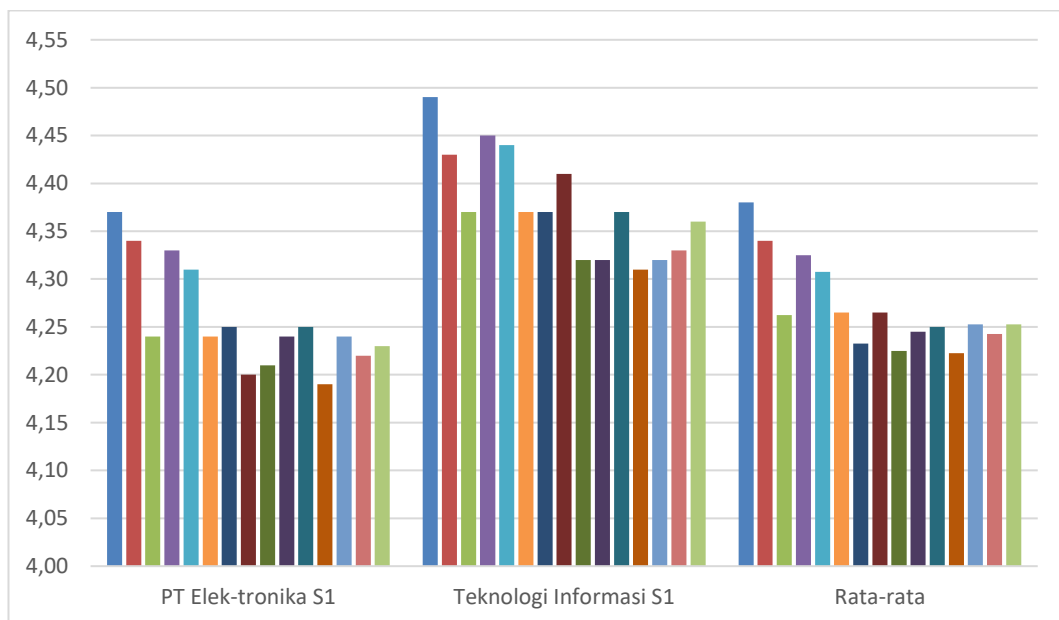
2. Bachelor of Electronic Engineering Education Study Program and Bachelor of Informatics and Information Technology

The average results of monitoring and evaluation of lectures at the end of the semester for laboratory courses in Bachelor of Electronic Engineering Education and Bachelor of Informatics and Information Technology can be seen **Error! Reference source not found.** and **Error! Reference source not found..**

Table 3. Monitoring and Evaluation of Lectures at the End of Semester for Even Semester Laboratory Courses for the 2021/2022 Academic Year.

No	Elements/Items	PT Electronics S1	S1 Information Technology	Average
1	The suitability of practicum topics with semester learning plans	4,37	4,49	4,43
2	Mastery of the lecturer according to the teaching materials practiced	4,34	4,43	4,39
3	Clarity of assistance or demonstration before the implementation of practicum topics	4,24	4,37	4,31
4	The significance of practicum teaching materials with the profession to be occupied	4,33	4,45	4,39
5	Checking student attendance/attendance at each practicum implementation	4,31	4,44	4,38
6	Compatibility of pretest questions with practical implementation	4,24	4,37	4,31
7	Lecturer presence during practicum	4,25	4,37	4,31
8	Clarity of practicum instructions/work sheets	4,2	4,41	4,31
9	Intensity of lecturer guidance during practicum activities	4,21	4,32	4,27

No	Elements/Items	PT Electronics S1	S1 Information Technology	Average
10	The lecturer pays special attention to students who experience difficulties in practicum	4,24	4,32	4,28
11	Effectiveness of time during the implementation of the curriculum	4,25	4,37	4,31
12	Discussion of the results of each practicum implementation	4,19	4,31	4,25
13	Giving the opportunity to repeat the practicum for students who fail	4,24	4,32	4,28
14	The ability of lecturers to increase students' active participation in practicum	4,22	4,33	4,28
15	Periodicity / phasing in conducting assessments during practicum continuously	4,23	4,36	4,30
Average		4,26	4,38	4,32
Category		Very good	Very good	0.00



Picture 3. Monitoring and Evaluation of Lectures at the End of Semester for Laboratory Subjects for Even Semester for Academic Year 2021/2022 Bachelor of Electronic Engineering Education Study Program and Bachelor of Informatics and Information Technology

Based on **Error! Reference source not found.** and **Error! Reference source not found.**, it is known that the results of the questionnaire monitoring and evaluation of final semester lectures for even semester laboratory courses for the 2021/2022 Academic Year Bachelor of Electronic Engineering Education Study Program and Bachelor of Informatics and Information Technology Faculty of Engineering YSU have an average 4.27 very good category. This shows that the implementation of lectures for laboratory courses at the end of the semester at JPTEI is in the very good category. The average details obtained for the PT Electronics S1 Study Program are as much as 4.26 and S1 Information Technology 4.38. The elements/items in the JPTEI questionnaire have the lowest score of 4.10 for the item Lecturer presence during practicum in the PT Informatics S1 study program which is still in the good category. The highest item was obtained by the S1 Information Technology study program on the item The suitability of practicum topics with semester learning plans with a value of 4.49 in the very good category. Overall the categories obtained by the JPTEI study program were good and very good.

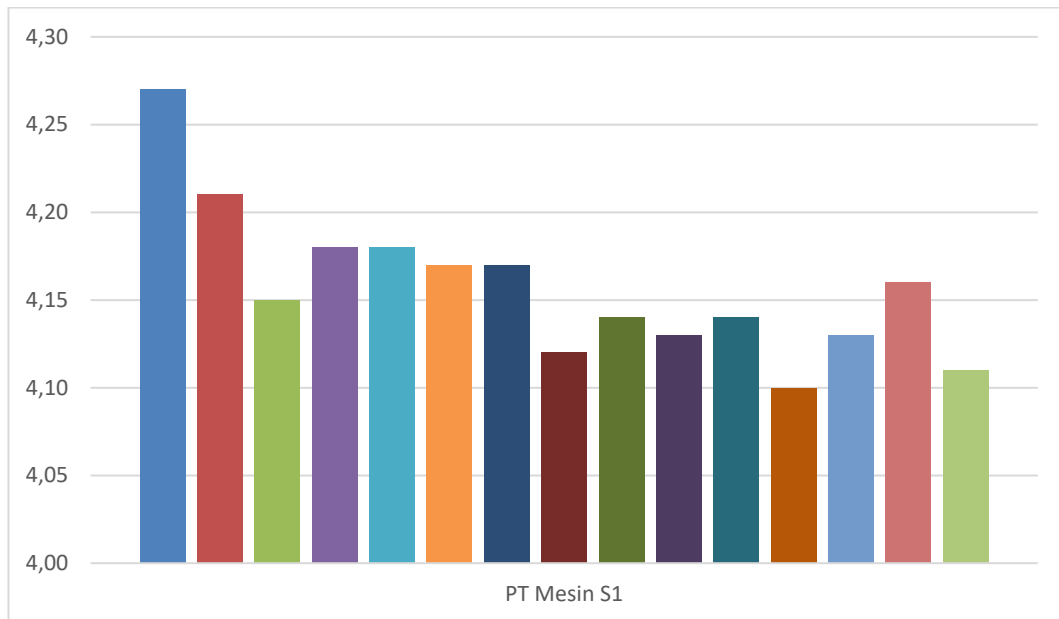
3. Bachelor of Mechanical Engineering Education Study Program

The average results of monitoring and evaluation of lectures at the end of the semester for laboratory courses in the Bachelor of Mechanical Engineering Education Study Program can be seen in Table 18 and **Error! Reference source not found.** Figure 11.

Table 4. Monitoring and Evaluation of Lectures at the End of Semester for Even Semester Laboratory Courses for the 2021/2022 Academic Year.

No	Elements/Items	Bachelor of Engine
1	The suitability of practicum topics with semester learning plans	4,27

No	Elements/Items	Bachelor of Engine
2	Mastery of the lecturer according to the teaching materials practiced	4,21
3	Clarity of assistance or demonstration before the implementation of practicum topics	4,15
4	The significance of practicum teaching materials with the profession to be occupied	4,18
5	Checking student attendance/attendance at each practicum implementation	4,18
6	Compatibility of pretest questions with practical implementation	4,17
7	Lecturer presence during practicum	4,17
8	Clarity of practicum instructions/work sheets	4,12
9	Intensity of lecturer guidance during practicum activities	4,14
10	The lecturer pays special attention to students who experience difficulties in practicum	4,13
11	Effectiveness of time during the implementation of the curriculum	4,14
12	Discussion of the results of each practicum implementation	4,1
13	Giving the opportunity to repeat the practicum for students who fail	4,13
14	The ability of lecturers to increase students' active participation in practicum	4,16
15	Periodicity / phasing in conducting assessments during practicum continuously	4,11
Average		4,16
Category		Good



Picture 4. Monitoring and Evaluation of Final Semester Lectures for Laboratory Courses Even Semester 2021/2022 Academic Year Bachelor of Mechanical Engineering Education Study Program

Based on Tables 18 and **Error! Reference source not found.1**, it is known that the results of the questionnaire monitoring and evaluation of lectures at the end of the semester for even semester laboratory courses for the 2021/2022 Academic Year Bachelor of Mechanical Engineering Education Study Program Faculty of Engineer YSU have an average 4.09 with good category. This shows that the implementation of lectures for laboratory courses at the end of the semester at JPTM is in a good category. The average details obtained for the Mechanical Engineering Study Program are as much as 4.16. Elements/items in the JPTM questionnaire have the lowest value of 3.77 on the item Discussion of the results of each practicum implementation in Bachelor of Engineering which is still in the good category. While the highest item suitability of practicum topics with semester learning plans with a score of 4.27 is included in the very good category. Overall the category obtained by the JPTM study program is good.

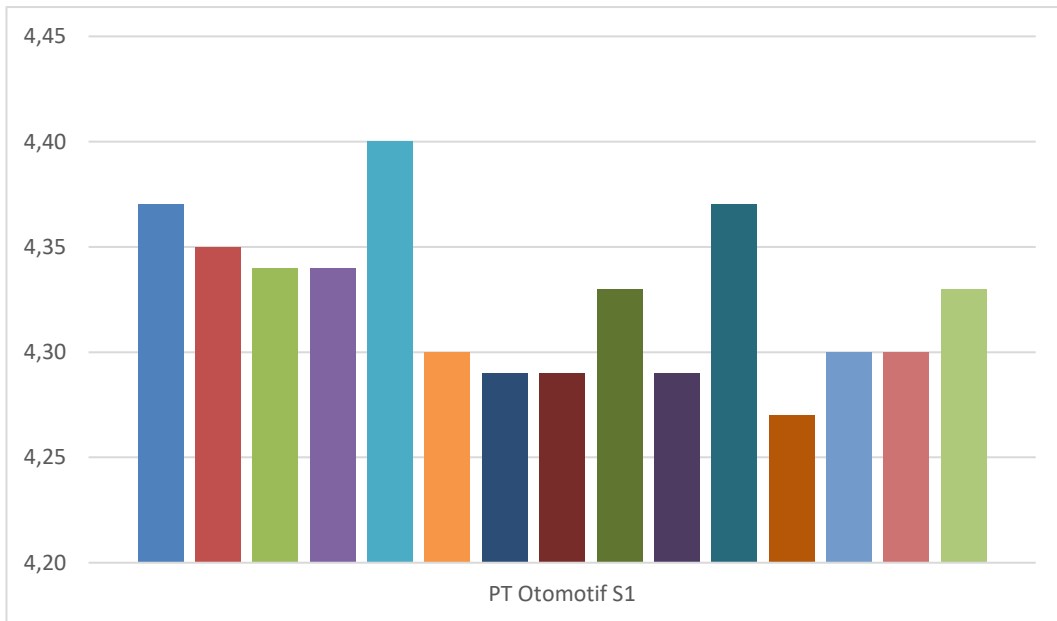
4. Bachelor of Automotive Engineering Education Study Program

The average results of monitoring and evaluation of lectures at the end of the semester for laboratory study programs in Bachelor of Automotive Engineering Education can be seen **Error! Reference source not found.** and **Error! Reference source not found.**

Table 5. Monitoring and Evaluation of Lectures at the End of Semester for Even Semester Laboratory Courses for the 2021/2022 Academic Year.

No	Elements/Items	Bachelor of Automotive
1	The suitability of practicum topics with semester learning plans	4.37
2	Mastery of the lecturer according to the teaching materials practiced	4.35
3	Clarity of assistance or demonstration before the implementation of practicum topics	4.34
4	The significance of practicum teaching materials with the profession to be occupied	4.34
5	Checking student attendance/attendance at each practicum implementation	4.40
6	Compatibility of pretest questions with practical implementation	4.30
7	Lecturer presence during practicum	4.29
8	Clarity of practicum instructions/work sheets	4.29
9	Intensity of lecturer guidance during practicum activities	4.33
10	The lecturer pays special attention to students who experience difficulties in practicum	4.29
11	Effectiveness of time during the implementation of the curriculum	4.37
12	Discussion of the results of each practicum implementation	4.27
13	Giving the opportunity to repeat the practicum for students who fail	4.30
14	The ability of lecturers to increase students' active participation in practicum	4.30
15	Periodicity / phasing in conducting assessments during practicum continuously	4.33

No	Elements/Items	Bachelor of Automotive
	Average	4.32
	Category	Very good



Picture 5. Monitoring and Evaluation of Final Semester Lectures for Laboratory Courses Even Semester 2021/2022 Academic Year Bachelor of Automotive Engineering Education Study Program

Based on **Error! Reference source not found.** and **Error! Reference source not found.**, it is known that the results of the questionnaire monitoring and evaluation of final semester lectures for even semester laboratory courses for the 2021/2022 Academic Year Bachelor of Automotive Engineering Education Study Program Faculty of Engineering YSU have an average score of 4.39 in the very good category. This shows that the implementation of lectures for laboratory courses at the end of the semester in the Bachelor of Automotive Engineering Education Study Program is going very well. Elements/items in the questionnaire filling of the Bachelor of Automotive Engineering Education Study Program have the lowest score of 4.27 on Discussion items on the results of each practicum implementation at Bachelor

of Otomotif University very good category. The highest score is obtained on the item Checking student attendance/attendance at each practicum implementation with a value of 4.61 in the very good category.

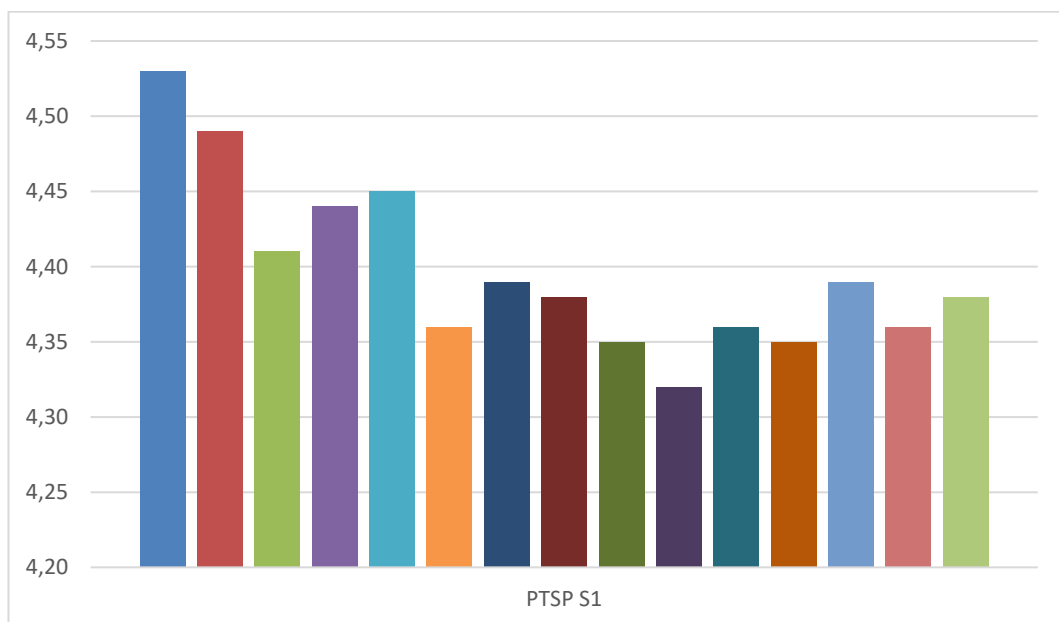
5. Bachelor of Civil Engineering and Planning Education Study Program

The average results of monitoring and evaluation of lectures at the end of the semester for the laboratory study program in the Bachelor of Civil Engineering and Planning Education Study Program can be seen **Error! Reference source not found.** and **Error! Reference source not found.**

Table 6. Monitoring and Evaluation of Lectures at the End of Semester for Even Semester Laboratory Courses for the 2021/2022 Academic Year.

No	Elements/Items	Bachelor of PTSP
1	The suitability of practicum topics with semester learning plans	4.53
2	Mastery of the lecturer according to the teaching materials practiced	4.49
3	Clarity of assistance or demonstration before the implementation of practicum topics	4.41
4	The significance of practicum teaching materials with the profession to be occupied	4.44
5	Checking student attendance/attendance at each practicum implementation	4.45
6	Compatibility of pretest questions with practical implementation	4.36
7	Lecturer presence during practicum	4.39
8	Clarity of practicum instructions/work sheets	4.38
9	Intensity of lecturer guidance during practicum activities	4.35
10	The lecturer pays special attention to students who experience difficulties in practicum	4.32

No	Elements/Items	Bachelor of PTSP
11	Effectiveness of time during the implementation of the curriculum	4.36
12	Discussion of the results of each practicum implementation	4.35
13	Giving the opportunity to repeat the practicum for students who fail	4.39
14	The ability of lecturers to increase students' active participation in practicum	4.36
15	Periodicity / phasing in conducting assessments during practicum continuously	4.38
Average		4.40
Category		Very good



Picture 6. Monitoring and Evaluation of Lectures at the End of Semester for Laboratory Subjects for Even Semester for 2021/2022 Academic Year Bachelor of Civil Engineering and Planning Study Program

Based on **Error! Reference source not found.** and **Error! Reference source not found.**, it is known that the results of the questionnaire monitoring and evaluation of final semester lectures for even semester laboratory courses

for the 2021/2022 Academic Year Civil Bachelor of Engineering and Planning Education Study Program – Faculty of Engineering YSU have an average of 4.29 in the very good category. This shows that the implementation of lectures for laboratory courses at the end of the semester in the Bachelor of Civil Engineering and Planning Education Study Program is in the very good category. The average breakdown obtained for Bachelor of PTSP Study Program is 4.40. The average obtained in the JPTSP study program has good and very good categories. The elements/items in the Bachelor of PTSP questionnaire have the lowest score of 4.32 the lecturer's special attention to students who experience difficulties in practicum included in the very good category. The highest item was obtained by the Bachelor of Civil Engineering and Planning Education Study Program on item The suitability of practicum topics with semester learning plans with a value of 4.53 in the very good category. Overall the categories obtained by the JPTSP study program were good and very good.

D. Monitoring and Evaluation of Lectures for Practical Workshop Courses

The Workshop Practice course has its own questionnaire instrument for monitoring and evaluating lectures at the end of the workshop course semester. The instruments used in this workshop course are used specifically to monitor and evaluate workshop class lectures. This questionnaire instrument consists of 16 items, including: (1) The suitability of the workshop practice teaching materials for each meeting with the semester learning plan; (2) The significance of workshop practice teaching materials with the profession to be occupied; (3) The suitability of workshop practice teaching materials with teaching materials in theory; (4) Lecturers' mastery of workshop practice teaching materials; (5) Clarity of lecturers in delivering workshop practice teaching materials; (6) Submission of Occupational Safety & Health (K3) at the beginning of each meeting; (7) Effective use of time during workshop practice; (8) The accuracy of the lecturer in choosing the method of delivering workshop practice teaching materials in the job sheet; (9) The lecturer's ability to demonstrate examples

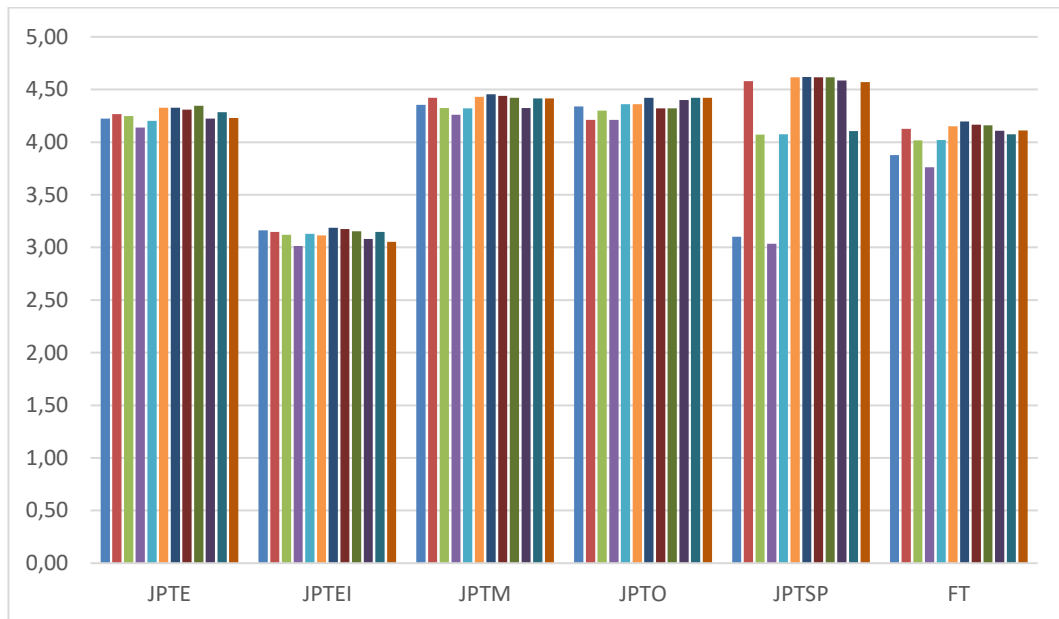
according to the job sheet; (10) Intensity of lecturer guidance during workshop practice; (11) The sincerity of lecturers in helping students who experience difficulties in workshop practice; (12) the ability of lecturers to motivate students to succeed in working on job sheets; (13) The ability of lecturers to increase students' active participation in working on job sheets; (14) The ability of lecturers to respond to questions and student opinions; (15) Conformity of the teaching materials tested with the workshop practice teaching materials studied; and (16) Discussion of assignment results and midterm exam results for practical courses

(9) The lecturer's ability to demonstrate examples according to the job sheet; (10) Intensity of lecturer guidance during workshop practice; (11) The sincerity of lecturers in helping students who experience difficulties in workshop practice; (12) the ability of lecturers to motivate students to succeed in working on job sheets; (13) The ability of lecturers to increase students' active participation in working on job sheets; (14) The ability of lecturers to respond to questions and student opinions; (15) Conformity of the teaching materials tested with the workshop practice teaching materials studied; and (16) Discussion of assignment results and midterm exam results for practical courses

1. Faculty of Engineering

The average results of monitoring and evaluation of lectures at the end of the semester for study program workshop courses at Faculty of Engineering YSU can be seen in **Error! Reference source not found.** and **Error! Reference source not found.**

Table 7. Monitoring and Evaluation of Lectures at the End of Semester for Even Semester Workshop Courses for the 2021/2022 Academic Year.



Picture 7. Monitoring and Evaluation of End of Semester Lectures Workshop Courses Even Semester 2021/2022 Academic Year Faculty of Engineering YSU

Based on **Error! Reference source not found.** and **Error! Reference source not found.**, it is known that the results of the questionnaire monitoring and evaluation of end-of-semester lectures for the even semester workshop course for the 2021/2022 Academic Year Faculty of Engineering YSU have an average of 4.23 in the very good category. This shows that the implementation of workshop courses at the end of the semester at Faculty of Engineering YSU went very well.

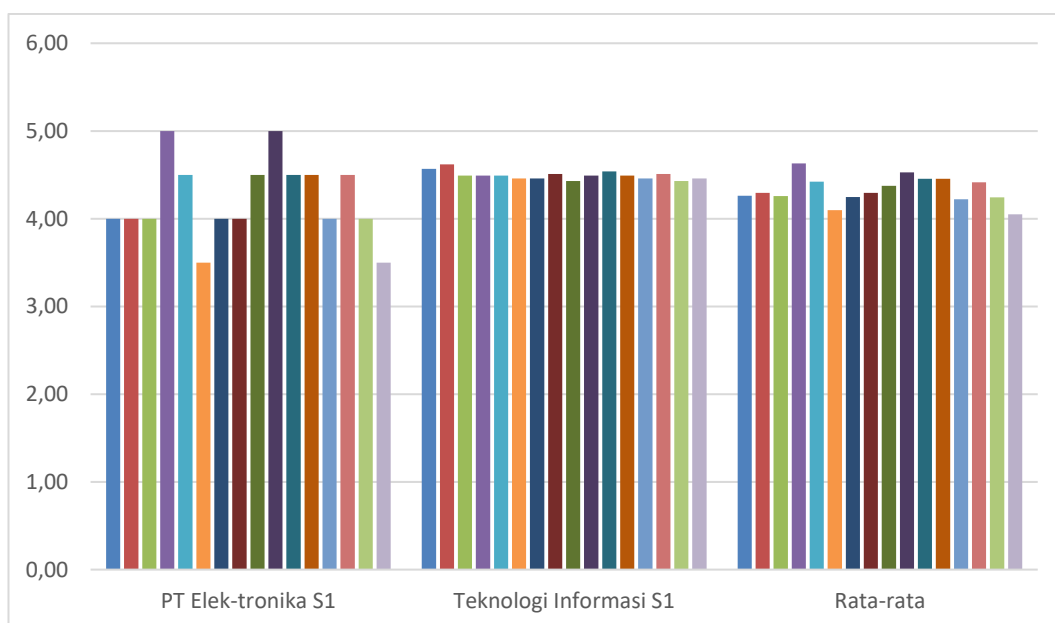
2. Bachelor of Electronic Engineering Education Study Program and Bachelor of Informatics and Information Technology

The average results of monitoring and evaluation of lectures at the end of the semester for study program workshop courses in Bachelor of Electronic Engineering Education Study Program and Bachelor of Informatics and Information Technology can be seen **Error! Reference source not found.** and **Error! Reference source not found.**

Table 8. Monitoring and Evaluation of Lectures at the End of Semester for Even Semester
Workshop Courses for the 2021/2022 Academic Year.

No	Elements/Items	Bachelor of Electronics	Bachelor of Information Technology	Average
1	The suitability of the workshop practice teaching materials for each meeting with the semester learning plan	4.00	4.57	4.26
2	The significance of workshop practice teaching materials with the profession to be occupied	4.00	4.62	4.29
3	Suitability of workshop practice teaching materials with teaching materials in theory	4.00	4.49	4.26
4	Lecturer mastery of workshop practice teaching materials	5.00	4.49	4.63
5	Lecturer clarity in delivering workshop practice teaching materials	4.50	4.49	4.42
6	Submission of Occupational Safety & Health (K3) at the beginning of each meeting	3.50	4.46	4.10
7	Effective use of time during workshop practice	4.00	4.46	4.25
8	The accuracy of the lecturer in choosing the method of delivering workshop practice teaching materials in a job sheet	4.00	4.51	4.29
9	The lecturer's ability to demonstrate examples according to the job sheet	4.50	4.43	4.37
10	Intensity of lecturer guidance during workshop practice	5.00	4.49	4.53
11	The sincerity of the lecturers in helping students who have difficulty practicing workshops	4.50	4.54	4.46
12	The ability of lecturers to motivate students to succeed in working on job sheets	4.50	4.49	4.45
13	The ability of lecturers to increase the active participation of students in working on job sheets	4.00	4.46	4.22
14	The ability of lecturers to respond to questions and student opinions	4.50	4.51	4.41

No	Elements/Items	Bachelor of Electronics	Bachelor of Information Technology	Average
15	The suitability of the teaching materials tested with the workshop practice teaching materials studied	4.00	4.43	4.24
16	Discussion of assignment results and midterm exam results for practical courses	3.50	4.46	4.05
Average		4.22	4.49	4.33
Category		Very good	Very good	Very good



Picture 8. Monitoring and Evaluation of End of Semester Lectures Workshop Courses Even Semester 2021/2022 Academic Year Bachelor of Electronic Engineering Education Study Program and Bachelor of Informatics and Information Technology

Based on **Error! Reference source not found.** and **Error! Reference source not found.**, it is known that the results of the monitoring and evaluation questionnaire filling at the end of the semester for even semester workshop courses for the 2021/2022 Academic Year Bachelor of Electronic Engineering Education Study Program and Bachelor of Informatics and Information Technology – Faculty of Engineering YSU are only carried out by the PT Electronics S1 Study Programe, PT Informatics and Information Technology

S1. This is because other study programs do not carry out practical workshop lectures. The average value is 4.33 with a very good category. This shows that the implementation of workshop courses at the end of the semester at JPTEI is going very well. The elements/items in the JPTEI questionnaire have the lowest score of 3.50 for the item Discussion of assignment results and midterm exam results for practical courses with good category in PT Electronics S1 study program. The highest score is obtained on the item Lecturer mastery of workshop practice teaching materials and items Intensity of lecturer guidance during workshop practice with a value of 5 in the very good category. Overall the category obtained by the study program at JPTEI is very good.

3. Mechanical Engineering Education Study Program – S1

The average results of monitoring and evaluation of lectures at the end of the semester for study program workshop courses in the Mechanical Engineering Education Study Program - S1 can be seen in Table 25 and Figure 18

Table 9. Monitoring and Evaluation of Lectures at the End of Semester for Even Semester Workshop Courses for the 2021/2022 Academic Year.

No	Elements/Items	PT Engine S1
1	The suitability of the workshop practice teaching materials for each meeting with the semester learning plan	4.34
2	The significance of workshop practice teaching materials with the profession to be occupied	4.29
3	Conformity of workshop practice teaching materials with teaching materials in theory	4.27
4	Lecturer mastery of workshop practice teaching materials	4.26
5	Lecturer clarity in delivering workshop practice teaching materials	4.24
6	Submission of Occupational Safety & Health (K3) at the beginning of each meeting	4.22

No	Elements/Items	PT Engine S1
7	Effective use of time during workshop practice	4.24
8	The accuracy of the lecturer in choosing the method of delivering workshop practice teaching materials in a job sheet	4.21
9	The lecturer's ability to demonstrate examples according to the job sheet	4.24
10	Intensity of lecturer guidance during workshop practice	4.19
11	The sincerity of the lecturers in helping students who have difficulty practicing workshops	4.20
12	The ability of lecturers to motivate students to succeed in working on job sheets	4.23
13	The ability of lecturers to increase the active participation of students in working on job sheets	4.21
14	The ability of lecturers to respond to questions and student opinions	4.25
15	The suitability of the teaching materials tested with the workshop practice teaching materials studied	4.25
16	Discussion of assignment results and midterm exam results for practical courses	4.16
Average		4.24
Category		Very good

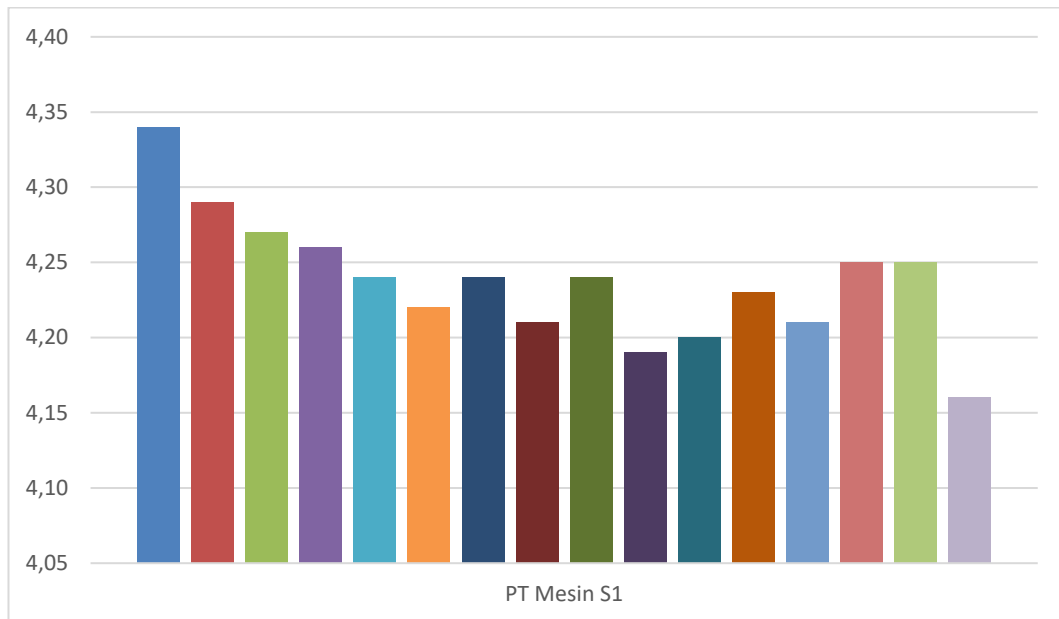


Figure 18. Monitoring and Evaluation of End of Semester Lectures for Workshop Courses Even Semester Academic Year 2021/2022 BoMEE

Based on Table 25 and Figure 18, it is known that the results of the questionnaire monitoring and evaluation of end-of-semester lectures for even semester workshop courses for the 2021/2022 BoMEE FE UNY Academic Year were only carried out by the bachelor's degree Engineering Study Programme. This is because other study programmes do not carry out practical workshop lectures. The average value is 4.32 with a **very good** category. This shows that the implementation of workshop courses at the end of the semester in the Bachelor of Mechanical Engineering Education (BoMEE) – Bachelor Degree is going very well. Elements/items in the questionnaire for BoMEE – Bachelor Degree have the lowest score of 4.16 in the Discussion of assignment results and results of midterm exams for practical courses with **good** category in BoMEE. The highest score was obtained on the item Suitability of workshop practice teaching materials for each meeting with semester learning plans with a value of 4.54 in the **very good** category. Overall the category obtained by the study program in the BoMEE Study Programme – Bachelor Degree is very good.

4. Bachelor of Automotive Education (BoAE) Study Programme – Bachelor Degree

The average results of monitoring and evaluation of lectures at the end of the semester for study program workshop courses in BoAE – bachelor’s degree can be seen in Table 26 and Figure 19.

Table 26. Monitoring and Evaluation of Lectures at the End of Semester Workshop Courses
Even Semester Academic Year 2021/2022.

No	Elements/Items	BoAE D4
1	The suitability of the workshop practice teaching materials for each meeting with the semester learning plan	4.85
2	The significance of workshop practice teaching materials with the profession to be occupied	4.85
3	Conformity of workshop practice teaching materials with teaching materials in theory	4.85
4	Lecturer mastery of workshop practice teaching materials	4.82
5	Lecturer clarity in delivering workshop practice teaching materials	4.79
6	Submission of Occupational Safety & Health at the beginning of each meeting	4.85
7	Effective use of time during workshop practice	4.77
8	The accuracy of the lecturer in choosing the method of delivering workshop practice teaching materials in a job sheet	4.85
9	The lecturer's ability to demonstrate examples according to the job sheet	4.77
10	Intensity of lecturer guidance during workshop practice	4.82
11	The sincerity of the lecturers in helping students who have difficulty practicing workshops	4.82
12	The ability of lecturers to motivate students to succeed in working on job sheets	4.82
13	The ability of lecturers to increase the active participation of students in working on job sheets	4.74
14	The ability of lecturers to respond to questions and student opinions	4.85

No	Elements/Items	BoAE D4
15	The suitability of the teaching materials tested with the workshop practice teaching materials studied	4.82
16	Discussion of assignment results and midterm exam results for practical courses	4.79
Average		4.82
Category		Very good

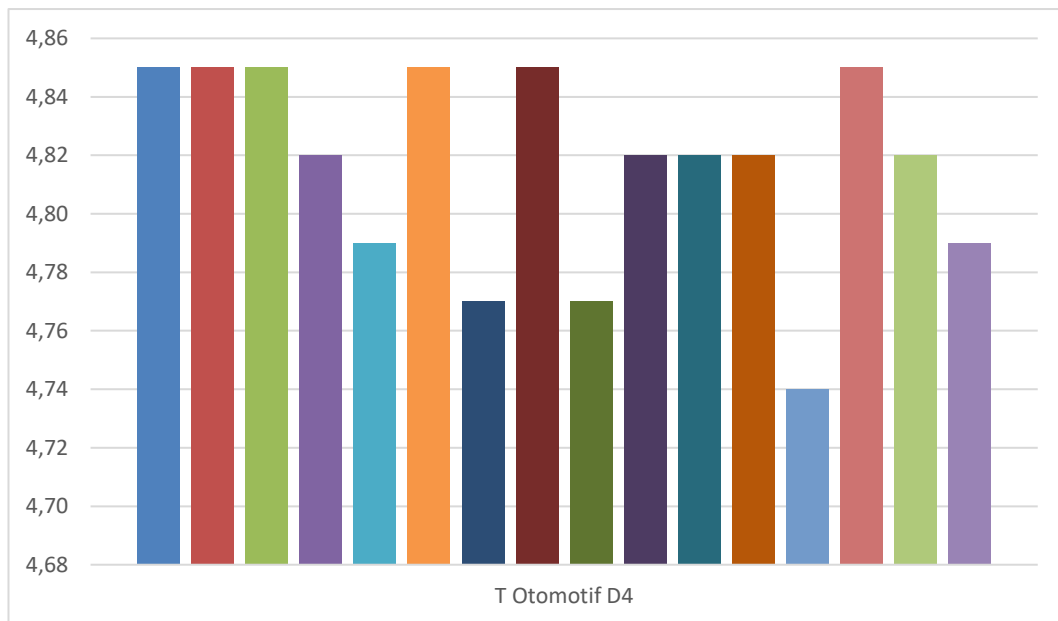


Figure 19. Monitoring and Evaluation of End of Semester Lectures for Workshop Courses Even Semester 2021/2022 Academic Year Bachelor of Automotive Education Study Programme – Bachelor Degree

Based on Table 26 and Figure 19, it is known that the results of the questionnaire monitoring and evaluation of final semester lectures for even semester workshop courses for the 2021/2022 Academic Year BoAE Study Programme – Bachelor Faculty of Engineering UNY are conducted by BoAE. This is because the BoAE Study Programme does not carry out practical workshop lectures. The average value is 4.82 with a **very good** category. This shows that the implementation of workshop courses at the end of the semester at JPTO is going very well. Elements/items in the questionnaire filling in BoAE Study Programme – Bachelor Degree have the lowest score of 4.74 in the

statement item The ability of lecturers to increase active student participation in working on job sheets. The highest score was obtained for the item Conformity of workshop practice teaching materials for each meeting with semester learning plans, Significance of workshop practice teaching materials with the profession to be occupied, Conformity of workshop practice teaching materials with teaching materials in theory, Submission of Occupational Safety & Health at the beginning of each meeting, The accuracy of the lecturer in choosing the method of delivering workshop practice teaching materials in the job sheet, and the ability of the lecturer to respond to student questions and opinions with a score of 4.85 in the **very good** category.

5. Bachelor of Civil Engineering Education and Planning (BoCEEP) Study Programme – Bachelor Degree

The average results of monitoring and evaluating lectures at the end of the semester for workshop courses in the BoCEEP Study Programme – Bachelor Degree can be seen in Table 27 and Figure 20.

Table 27. Monitoring and Evaluation of Lectures at the End of Semester Workshop Courses Even Semester Academic Year 2021/2022.

No	Elements/Items	BoCEEP
1	The suitability of the workshop practice teaching materials for each meeting with the semester learning plan	5
2	The significance of workshop practice teaching materials with the profession to be occupied	5
3	Conformity of workshop practice teaching materials with teaching materials in theory	5
4	Lecturer mastery of workshop practice teaching materials	5
5	Lecturer clarity in delivering workshop practice teaching materials	5
6	Submission of Occupational Safety & Health at the beginning of each meeting	5
7	Effective use of time during workshop practice	5

No	Elements/Items	BoCEEP
8	The accuracy of the lecturer in choosing the method of delivering workshop practice teaching materials in a job sheet	5
9	The lecturer's ability to demonstrate examples according to the job sheet	5
10	Intensity of lecturer guidance during workshop practice	5
11	The sincerity of the lecturers in helping students who have difficulty practicing workshops	5
12	The ability of lecturers to motivate students to succeed in working on job sheets	5
13	The ability of lecturers to increase the active participation of students in working on job sheets	5
14	The ability of lecturers to respond to questions and student opinions	5
15	The suitability of the teaching materials tested with the workshop practice teaching materials studied	5
16	Discussion of assignment results and midterm exam results for practical courses	5
Average		5
Category		Very Good

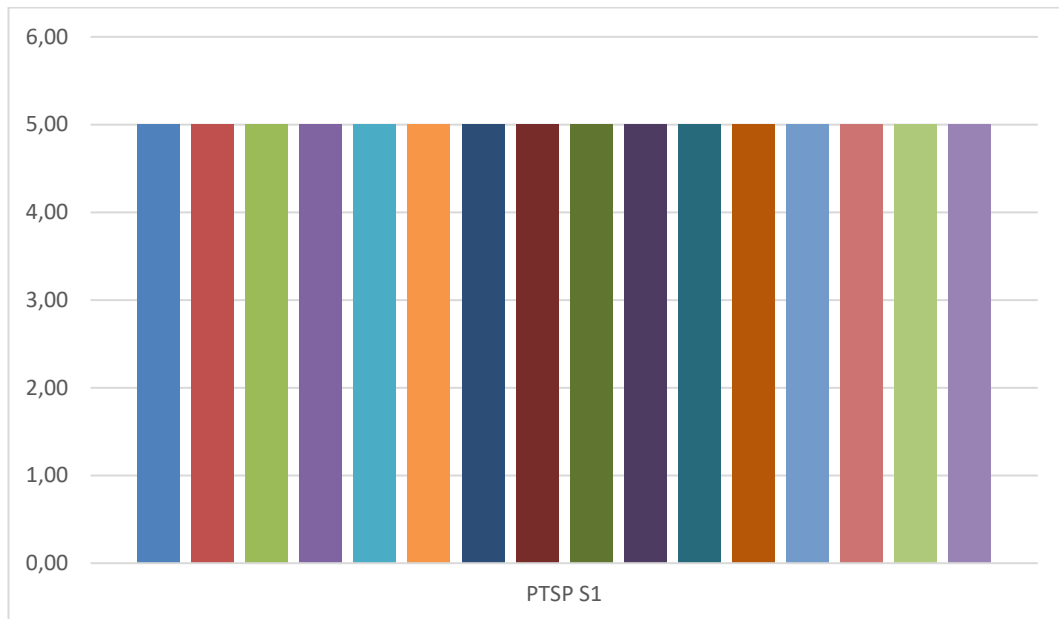


Figure 20. Monitoring and Evaluation of End of Semester Lectures Workshop Courses Even Semester 2021/2022 Academic Year Bachelor of Civil Engineering Education and Planning (BoCEE_P) Study Programme – Bachelor Degree

Based on Table 27 and Figure 20, it is known that the results of the questionnaire monitoring and evaluation of lectures at the end of the semester for even semester workshop courses for the Academic Year 2021/2022 JPTSP FE UNY are only carried out by bachelor's degree of PTSP Study Programme. This is because the BoCEE_P Study Programme and Civil Engineering Study Programme D4 do not carry out practical workshop lectures. The average value is 5 with **very good** category. This shows that the implementation of workshop courses at the end of the semester at JPTSP is going very well. Overall, the category obtained by the study program at JPTSP was very good.

E. Monitoring and Evaluation of Final Courses

The final assignment course has its own questionnaire instrument for monitoring and evaluating lectures at the end of the semester for the final assignment course. The instruments used in this final assignment course are used specifically to monitor and evaluate lectures for final assignment courses. This questionnaire instrument consists of 12 items, covering: (1) Adequacy of

study programs in organizing pre-proposal training; (2) Conformity of the final assignment with the lecturer's umbrella research; (3) scheduling by lecturers for the process of guiding the completion of the final project; (4) The use of guidance books/cards in the final project is monitored by using guidance books/cards; (5) The quality of the validation process in completing the final project; (6) Ease of communicating with supervisors; (7) Lecturer support in providing solutions to problems in completing the final project; (8) Lecturer's accuracy of revision results in the process of writing the final project; (9) Support from supervising lecturers in assisting students to obtain appropriate and up-to-date library resources; (10) Sufficient intensity of meetings with supervisors in completing the final project; (11) Guiding lecturers to students to avoid plagiarism in writing their final project; and (12) Study program monitoring of the progress of completing the final assignment (for example there are meetings involving students and supervisors and study programmes).

1. Faculty of Engineering

The average results of monitoring and evaluation of lectures at the end of the semester for the final project study program at UNY Faculty of Engineering can be seen in Table 29 and Figure 22.

Table 29. Monitoring and Evaluation of Lectures at the End of Semester Final Assignment
Courses for Even Semester Academic Year 2021/2022.

No	Elements/Items	JPTEI	JPTM	JPTO	JPTSP	FT
1	Adequacy of study programs in organizing pre-proposal training.	4,22	4,36	4,34	3,1	4,048
2	Conformity of the final project with the lecturer's umbrella research.	4,2	4,42	4,21	4,58	4,336
3	Scheduling by the lecturer on the process of guiding the completion of the final project.	4,16	4,33	4,3	4,07	4,222

No	Elements/Items	JPTEI	JPTM	JPTO	JPTSP	FT
4	The use of guidance books/cards in the final project is monitored using guidance books/cards.	4,02	4,26	4,21	3,04	3,934
5	The quality of the validation process in completing the final project.	4,17	4,32	4,36	4,08	4,226
6	Ease of communicating with supervisors.	4,15	4,43	4,36	4,62	4,378
7	Lecturer support in providing solutions to problems in completing the final project.	4,25	4,46	4,42	4,62	4,416
8	Kecermatan dosen terhadap hasil revisi dalam proses penulisan tugas akhir.	4,23	4,44	4,32	4,62	4,384
9	Supervising lecturer support in helping students to obtain appropriate and up-to-date library resources.	4,2	4,42	4,32	4,62	4,382
10	Adequacy of the intensity of meetings with supervisors in completing the final project.	4,11	4,33	4,4	4,59	4,33
11	Guidance of supervising lecturers to students to avoid plagiarism in writing the final project.	4,2	4,42	4,42	4,11	4,288
12	Study program monitoring of the progress of completing the final assignment (for example there are meetings involving students and supervisors and study programs).	4,07	4,42	4,42	4,57	4,342
Average		4,17	4,38	4,34	4,22	4,274
Category		Good	Very good	Very good	Very good	0

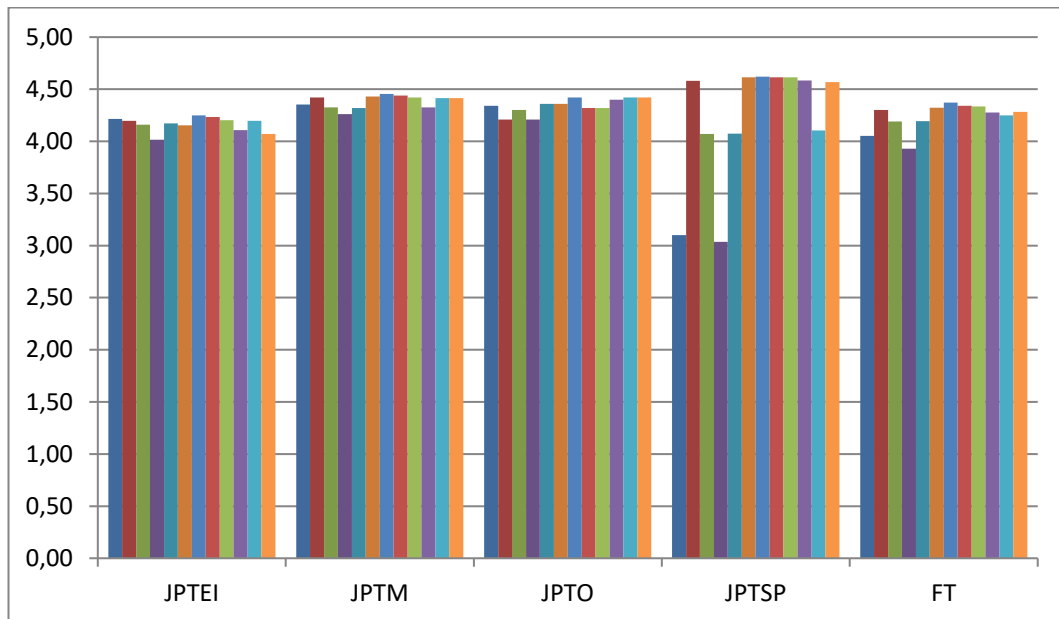


Figure 22. Monitoring and Evaluation of Final Semester Lectures for Even Semester Final Assignment Courses for the 2021/2022 Academic Year FE UNY

Based on Table 29 and Figure 22, it is known that the results of the questionnaire monitoring and evaluation of lectures at the end of the semester for even semester final assignments for the 2021/2022 Academic Year FE UNY have an average of 4.27 in the **very good** category. This shows that the implementation of lectures for final assignment courses at the end of the semester at FE UNY is in a **very good** category.

2. Bachelor of Electronics Engineering Education (BoEEE) Study Programme – Bachelor Degree and Bachelor of Information Technology (BoIT) – Bachelor Degree

The average results of monitoring and evaluation of lectures at the end of the semester for the final project study program at JPTEI can be seen in Table 31 and Figure 24.

Table 31. Monitoring and Evaluation of Lectures at the End of Semester Final Assignment
Courses for Even Semester Academic Year 2021/2022.

No	Elements/Items	BoEEE	BoIT
1	Compatibility of learning with the Semester Learning Plan (RPS)	4.28	4.5
2	Lecturer confusion in delivering material in lectures	4.21	4.43
3	The ability of lecturers to motivate students in lectures	4.14	4.4
4	Lecturer mastery of lecture material in general	4.25	4.48
5	The meaningfulness of lecture material with the profession to be occupied	4.17	4.45
6	The clarity of the lecturer in explaining the lecture material	4.1	4.4
7	Effective use of time in lectures	4.11	4.37
8	The suitability of the media and tools used in lectures	4.14	4.4
9	Completeness of teaching materials used by lecturers	4.13	4.41
10	The use of up to date technology in lectures	4.17	4.42
11	The lecturer's response in responding to student questions and opinions	4.17	4.47
12	The suitability of the feedback given by the lecturer in learning	4.16	4.41
13	Variations in giving assignments and assessments by lecturers	4.1	4.38
14	Conformity of the exam with the material presented by the Lecturer	4.19	4.44
15	Lecturer's concern for student difficulties	4.14	4.41
Average		4.16	4.42
Category		Good	Very good

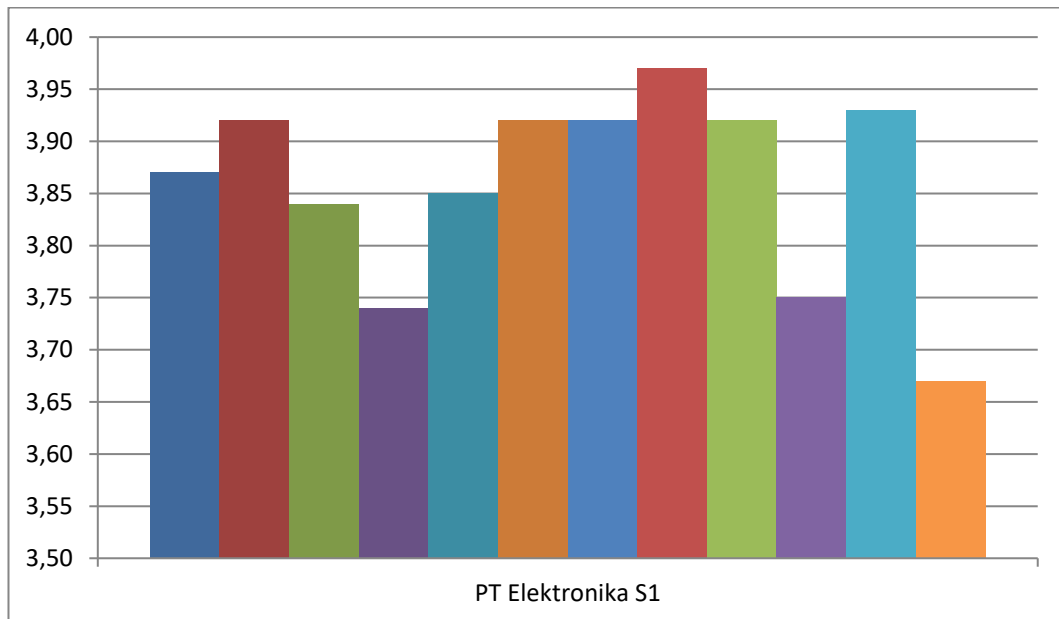


Figure 24. Monitoring and Evaluation of Lectures at the End of Semester for Laboratory Subjects for Even Semester for 2021/2022 Academic Year Electronic Bachelor of Electronics Engineering Education (BoEEE) Study Programme – Bachelor Degree and Bachelor of Information Technology (BoIT) – Bachelor Degree

Based on Table 31 and Figure 24, it is known that the results of the questionnaire monitoring and evaluation of end-of-semester lectures for Even Semester Final Assignments for 2021/2022 Academic Year BoEEE Study Programme – Bachelor Degree and BoIT – Bachelor Degree FE UNY have an average of 4.17 in a **good** category. This shows that the implementation of lectures for final assignment courses at the end of the semester in the BoEEE Study Programme is in a good category. Meanwhile, in the BoIT Study Programme, students have not taken the Final Assignment course.

3. Bachelor of Mechanical Engineering Education (BoMEE) Study Programme – Bachelor Degree

The average results of monitoring and evaluating lectures at the end of the semester for the Final Assignment course in the BoMEE Study Programme – bachelor's degree can be seen in Table 32 and Figure 25.

Table 32. Monitoring and Evaluation of Lectures at the End of Semester Final Assignment
Courses for Even Semester Academic Year 2021/2022.

No	Elements/Items	BoMEE
1	Adequacy of study programs in organizing pre-proposal training.	4.15
2	Conformity of the final project with the lecturer's umbrella research.	4.25
3	Scheduling by the lecturer on the process of guiding the completion of the final project.	4.18
4	The use of guidance books/cards in the final project is monitored using guidance books/cards.	4.11
5	The quality of the validation process in completing the final project.	4.20
6	Ease of communicating with supervisors.	4.27
7	Lecturer support in providing solutions to problems in completing the final project.	4.25
8	Lecturer's attention to revision results in the process of writing the final project.	4.25
9	Supervising lecturer support in helping students to obtain appropriate and up-to-date library resources.	4.25
10	Adequacy of the intensity of meetings with supervisors in completing the final project.	4.24
11	Guidance of supervising lecturers to students to avoid plagiarism in writing the final project.	4.27
12	Study program monitoring of the progress of completing the final assignment (for example there are meetings involving students and supervisors and study programs).	4.27
Average		4.22
Category		Very good

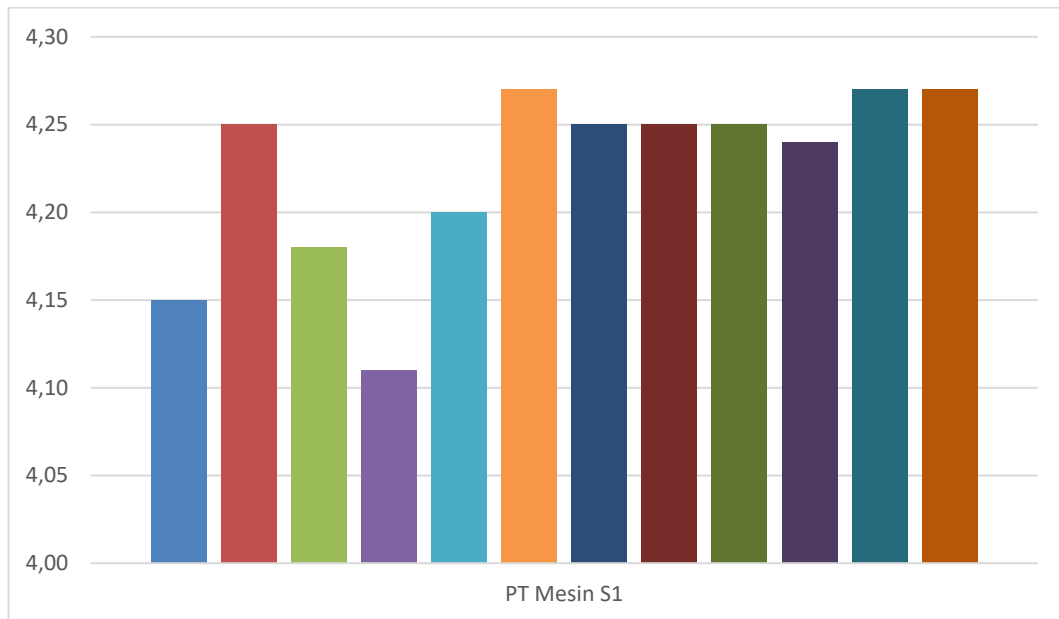


Figure 25. Monitoring and Evaluation of End of Semester Lectures for Even Semester Final Assignments for 2021/2022 Academic Year Bachelor of Mechanical Engineering Education (BoMEE) Study Programme – Bachelor Degree

Based on Table 32 and Figure 25, it is known that the results of the questionnaire monitoring and evaluation of lectures at the end of the semester for Even Semester Final Assignments for the 2021/2022 Academic Year BoMEE FE UNY have an average of 4.38 in the **very good** category. This shows that the implementation of lectures for final assignment courses at the end of the semester at BoMEE is in the very good category.

4. Bachelor of Automotive Education (BoAE) Study Programme – Bachelor Degree

The average results of monitoring and evaluating lectures at the end of the semester for the Final Assignment course in the Bachelor of Automotive Education Study Programme – Bachelor Degree can be seen in Table 33 and Figure 26.

Table 33. Monitoring and Evaluation of Lectures at the End of Semester Final Assignment
Courses Even Semester Academic Year 2021/2022.

No	Elements/Items	BoAE
1	Adequacy of study programs in organizing pre-proposal training.	4.34
2	Conformity of the final project with the lecturer's umbrella research.	4.21
3	Scheduling by the lecturer on the process of guiding the completion of the final project.	4.30
4	The use of guidance books/cards in the final project is monitored using guidance books/cards.	4.21
5	The quality of the validation process in completing the final project.	4.36
6	Ease of communicating with supervisors.	4.36
7	Lecturer support in providing solutions to problems in completing the final project.	4.42
8	Lecturer's attention to revision results in the process of writing the final project.	4.32
9	Supervising lecturer support in helping students to obtain appropriate and up-to-date library resources.	4.32
10	Adequacy of the intensity of meetings with supervisors in completing the final project.	4.40
11	Guidance of supervising lecturers to students to avoid plagiarism in writing the final project.	4.42
12	Study program monitoring of the progress of completing the final assignment (for example there are meetings involving students and supervisors and study programmes).	4.42
Average		4.34
Category		Very good

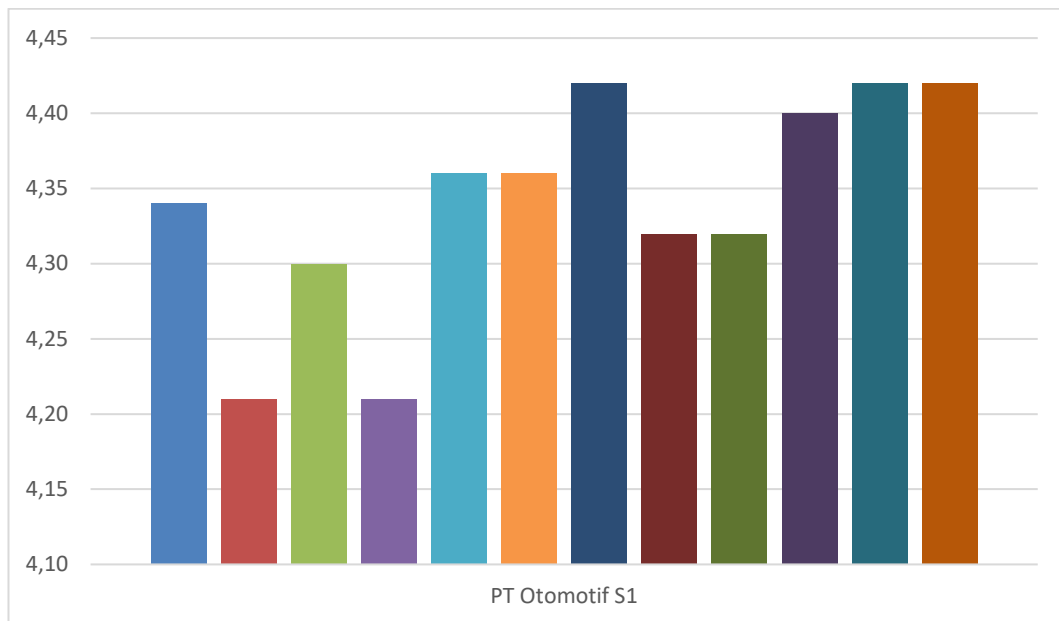


Figure 26. Monitoring and Evaluation of End of Semester Lectures for Even Semester Final Project Courses for 2021/2022 Academic Year Bachelor of Automotive Education Study Programme – Bachelor Degree

Based on Table 33 and Figure 26, it is known that the results of the questionnaire monitoring and evaluation of lectures at the end of the semester for Even Semester Final Assignments for 2021/2022 Academic Year Bachelor of Automotive Education Study Programme – bachelor’s degree Faculty of Engineering UNY have an average of 4.34 in the **very good** category. This shows that the implementation of lectures for final assignment courses at the end of the semester at BoAE is in the very good category.

5. Bachelor of Civil Engineering Education and Planning (BoCEEP) Study Programme – Bachelor Degree

The average results of monitoring and evaluating lectures at the end of the semester for the Final Assignment course in the Bachelor of Civil Engineering Education and Planning Study Programme – Bachelor Degree can be seen in Table 34 and Figure 27.

Table 34. Monitoring and Evaluation of Lectures at the End of Semester Final Assignment
Courses for Even Semester Academic Year 2021/2022.

No	Elements/Items	BoCEEP
1	Adequacy of study programs in organizing pre-proposal training.	4.20
2	Conformity of the final project with the lecturer's umbrella research.	4.16
3	Scheduling by the lecturer on the process of guiding the completion of the final project.	4.14
4	The use of guidance books/cards in the final project is monitored using guidance books/cards.	4.07
5	The quality of the validation process in completing the final project.	4.15
6	Ease of communicating with supervisors.	4.23
7	Lecturer support in providing solutions to problems in completing the final project.	4.24
8	Lecturer's attention to revision results in the process of writing the final project.	4.23
9	Supervising lecturer support in helping students to obtain appropriate and up-to-date library resources.	4.23
10	Adequacy of the intensity of meetings with supervisors in completing the final project.	4.17
11	Guidance of supervising lecturers to students to avoid plagiarism in writing the final project.	4.21
12	Study program monitoring of the progress of completing the final assignment (for example there are meetings involving students and supervisors and study programs).	4.14
Average		4.18
Category		Good

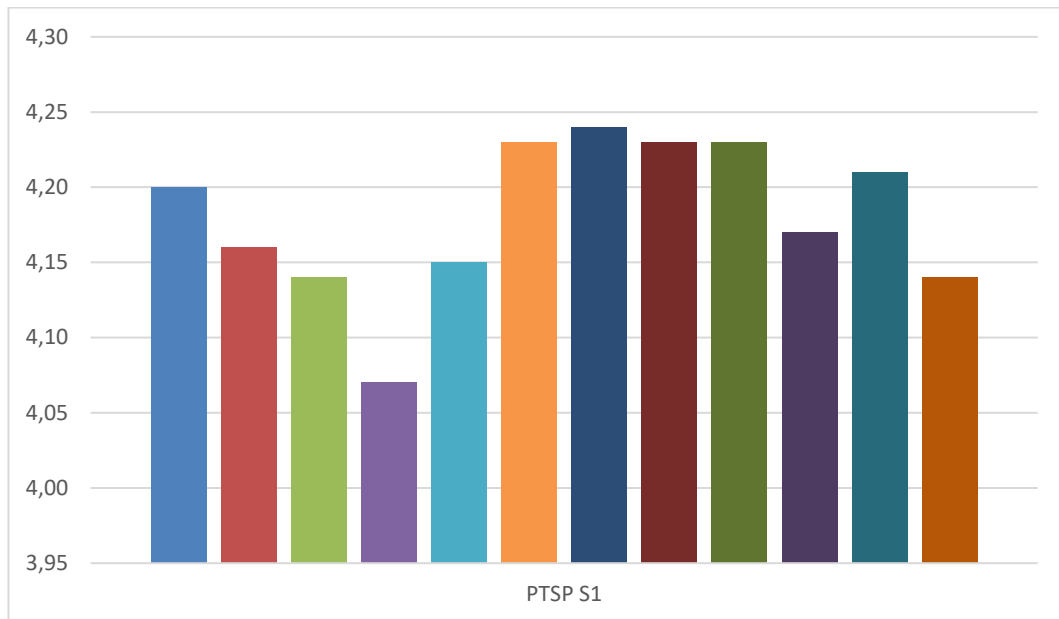


Figure 27. Monitoring and Evaluation of Final Semester Lectures for Even Semester Final Assignment Courses for 2021/2022 Academic Year Bachelor of Civil Engineering Education and Planning (BoCEEP) Study Programme – Bachelor Degree

Based on Table 34 and Figure 27, it is known that the results of the questionnaire monitoring and evaluation of lectures at the end of the semester for Even Semester Final Assignments for the 2021/2022 Academic Year BoCEEP FE UNY have an average of 4.22 in the **very good** category. This shows that the implementation of lectures for final assignment courses at the end of the semester at BoCEEP is in the very good category.

F. Recommendation

Based on the results that have been described, the following recommendations can be given:

1. Overall, the number of students who filled out the Teaching and Learning Process demo for FE UNY had reached 94.16%.
2. The implementation of theoretical courses at FE UNY is included in the **Very Good category** with a score of 4.27. The details are that 100% of the departments in FE get the very good category, so this result must be **maintained**.

- a. The implementation of theoretical courses at JPTEI FE UNY is included in the **Very Good category** with a score of 4.30, so this result must be **maintained**.
 - b. The implementation of theoretical courses at JPTM FE UNY is included in the **Very Good category** with a score of 4.24, so this result must be **maintained**.
 - c. The implementation of theoretical courses at JPTO FE UNY is included in the **Very Good category** with a score of 4.31, so this result must be **maintained**.
 - d. The implementation of theoretical courses at JPTSP FE UNY is included in the **Very Good category** with a score of 4.26, so this result must be **maintained**.
3. The implementation of lectures for laboratory courses at FE UNY is included in the **Very Good category** with a score of 4.26. The details are 83.33% in the very good category and 16.67% in the good category, so these results must be **maintained**.
- a. The implementation of lectures for laboratory courses at JPTEI FE UNY is included in the **Very Good category** with a score of 4.27, so this result must be **maintained**
 - b. The implementation of lectures for laboratory courses at JPTM FE UNY is in the **Good category** with a score of 4.09, so this result must be **improved**.
 - c. The implementation of lectures for laboratory courses at JPTO FE UNY is included in the **Very Good category** with a score of 4.39, so this result must be **maintained**.
 - d. The implementation of lectures for laboratory courses at JPTSP FE UNY is included in the **Very Good category** with a score of 4.29, so this result must be **maintained**.
4. The implementation of lectures for workshop courses in majors at FE UNY is in the **Very Good category** with a score of 4.23. The details are 83.33% in the

very good category and 16.67% in the good category, so these results must be **maintained**.

- a. The implementation of workshop courses at JPTEI FE UNY is included in the **Very Good category** with a score of 4.33, so this result must be **maintained**.
 - b. The implementation of workshop courses at JPTM FE UNY is included in the **Very Good category** with a score of 4.32, so this result must be **maintained**.
 - c. The implementation of workshop courses at JPTO FE UNY is included in the **Very Good category** with a score of 4.82, so this result must be **maintained**.
 - d. The implementation of workshop courses at JPTSP FE UNY is included in the **Very Good category** with a score of 5.00, so this result must be **maintained**.
5. The implementation of lectures for the Final Project course at the FE UNY major is included in the **Very Good category** with a score of 4.24. The details are 66.67% in the very good category and 33.33% in the good category, so these results must be **maintained**.
- a. The implementation of lectures for the Final Assignment course at JPTEI FT UNY is in the **Good category** with a score of 4.17, so this result must be **improved**.
 - b. The implementation of lectures for the Final Assignment course at JPTM FT UNY is included in the **Very Good category** with a score of 4.38, so this result must be **maintained**.
 - c. The implementation of lectures for the Final Assignment course at JPTO FT UNY is included in the **Very Good category** with a score of 4.34, so this result must be **maintained**.
 - d. The implementation of lectures for the Final Assignment course at JPTSP FT UNY is included in the **Very Good category** with a score of 4.22, so this result must be **maintained**.

Yogyakarta, August 23rd 2022

FT UNY Audit and Monev Division Team



**Quality Assurance Unit
Faculty of Engineering
Yogyakarta State University**