

Some of the achievements PLO of mathematics education program FMIPA UNP Academic Year 2019/2020 can be seen in the following Tables and Diagrams:

PLO 1.

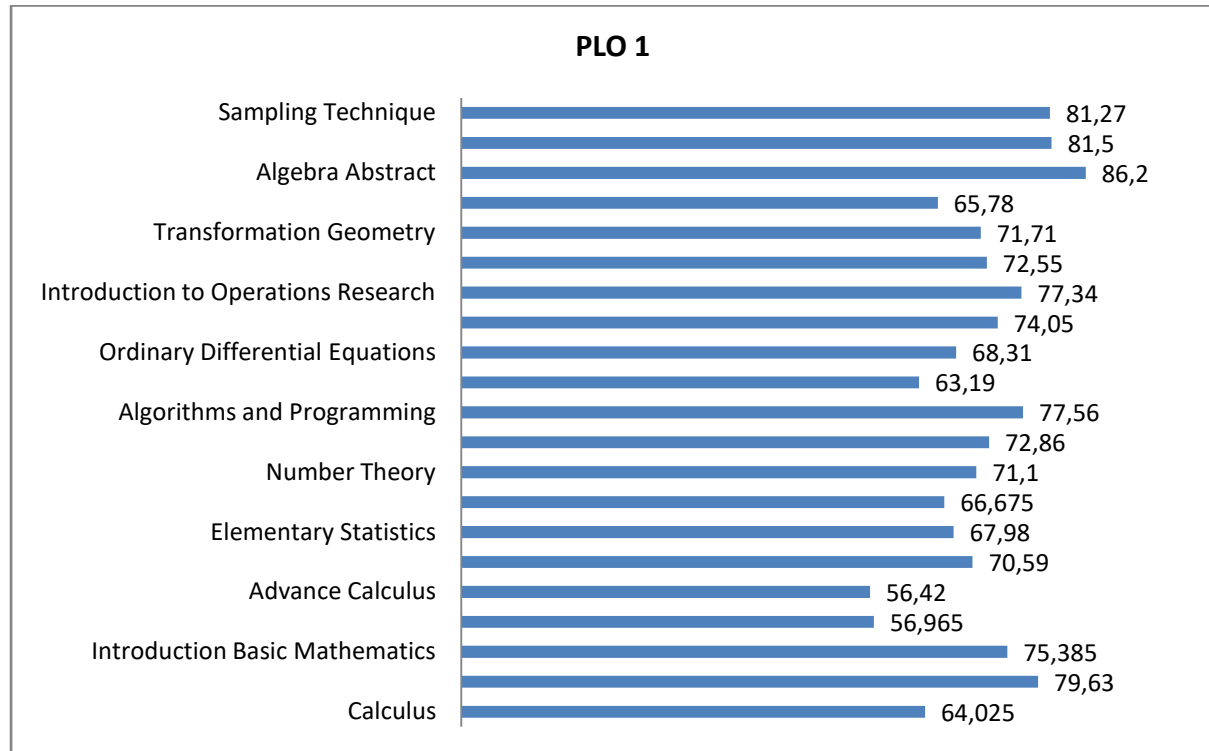


Figure 1. Mean score of PLO 1 in academic year 2019-2020

Table 1. Distribution of PLO-1 Achievement

Modules	E	G	S	F
Calculus	14.41	43.49	22.48	19.63
Actuaria	51.16	41.86	6.98	0.00
Introduction Basic Mathematics	51.56	21.70	23.17	3.57
Plane and Space Geometry	6.96	24.85	37.57	30.63
Advance Calculus	0.00	13.04	60.87	26.09
Plane and Space Geometry Analytic	35.76	25.83	29.14	9.27
Elementary Statistics	17.42	45.51	29.21	7.87
Elementary Linear Algebra	14.40	52.21	25.15	8.26
Number Theory	23.42	50.45	21.62	4.50
Vector Calculus	18.69	68.22	11.21	1.87
Algorithms and Programming	56.16	41.78	1.37	0.68
Mathematical Statistics 1	12.22	41.11	23.33	23.33
Ordinary Differential Equations	26.80	33.33	31.37	8.50
Discrete Mathematics	42.41	41.14	10.13	6.33
Introduction to Operations Research	53.52	25.35	18.31	2.82
Real Analysis 1	31.74	43.11	25.15	0.00

Transformation Geometry	52.38	28.57	11.90	7.14
Numerical Method	17.02	48.94	19.15	14.89
Algebra Abstract	56.79	22.84	19.75	0.62
Basic Algebra and Trigonometry	75.00	16.67	4.17	4.17
Sampling Technique	70.45	27.27	2.27	0.00

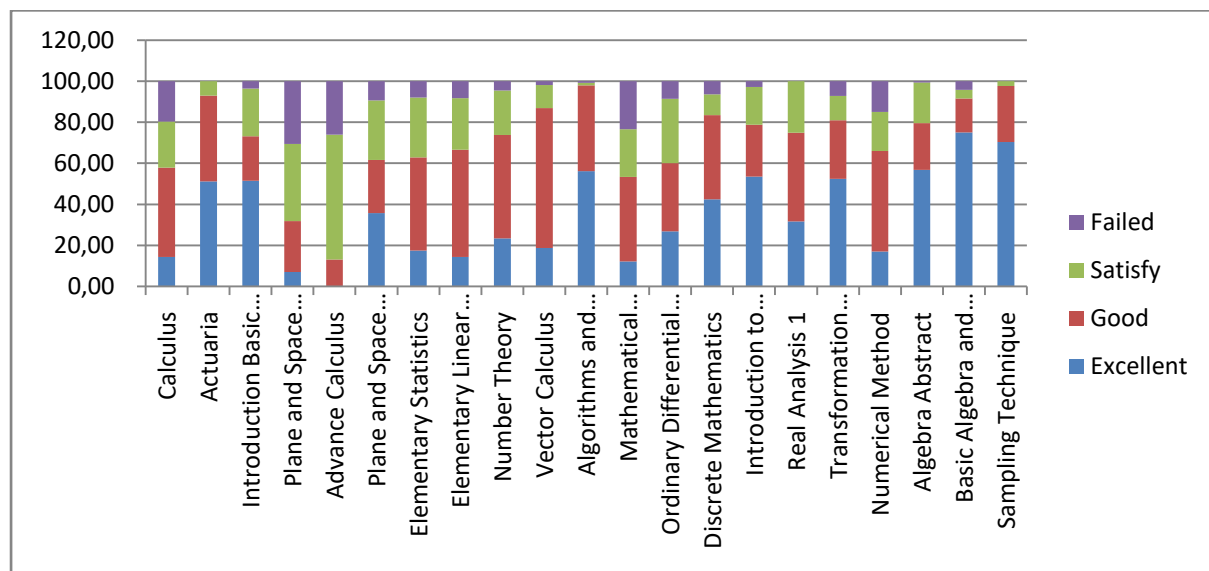


Figure 2. Achievement of PLO 1

PLO 2

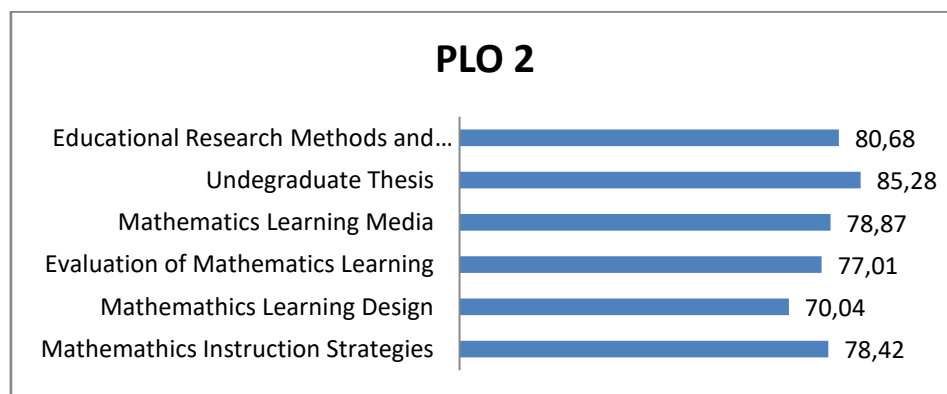


Figure 3. Mean score of PLO 2 in academic year 2019-2020

Table 2. Distribution of PLO-2 Achievement

Modules	E	G	S	F
Mathematics Instruction Strategies	50.69	47.92	0.69	0.69
Mathematics Learning Design	10.40	65.60	22.40	1.60
Evaluation of Mathematics Learning	53.09	38.27	5.56	3.09
Mathematics Learning Media	52.73	44.24	0.61	3.03
Undegraduate Thesis	88.37	11.63	0.00	0.00
Educational Research Methods and Teaching Mathematics	68.13	31.25	0.00	0.63

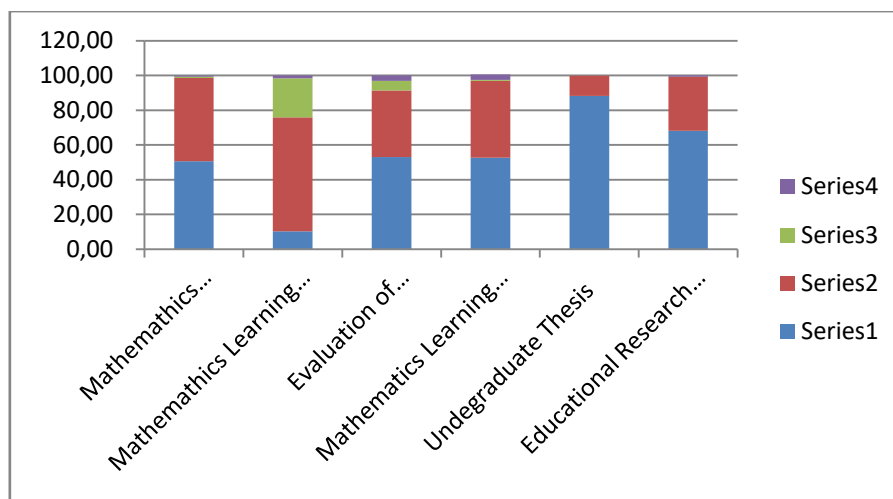


Figure 4. Achievement of PLO 2

PLO 3

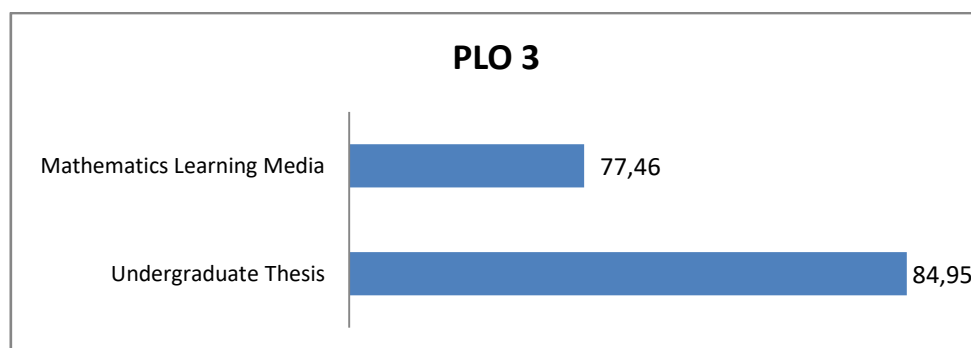


Figure 5. Mean score of PLO 3 in academic year 2019-2020

Table 3. Distribution of PLO-3 Achievement

Modules	E	G	S	F
Undergraduate Thesis	81.4	18.6	0	0
Mathematics Learning Media	47.27	49.09	0.61	3.03

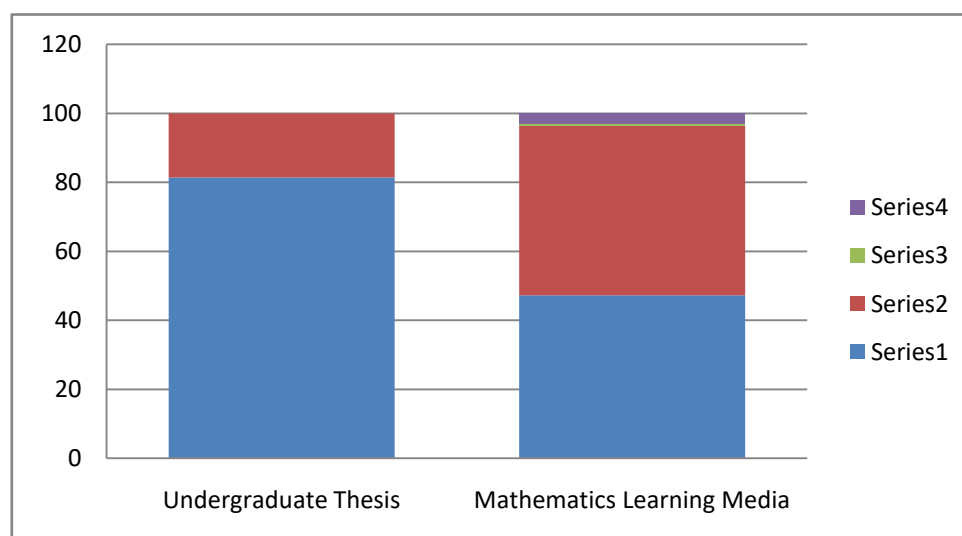


Figure 6. Achievement of PLO 3

PLO 4

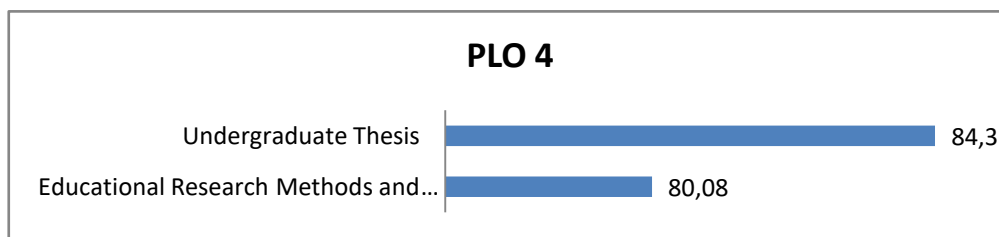


Figure 7. Mean score of PLO 4 in academic year 2019-2020

Table 4. Distribution of PLO-4 Achievement

Modules	E	G	S	F
Educational Research Methods and Teaching Mathematics	64.38	35	0	0.63
Undergraduate Thesis	74.42	20.93	4.65	0

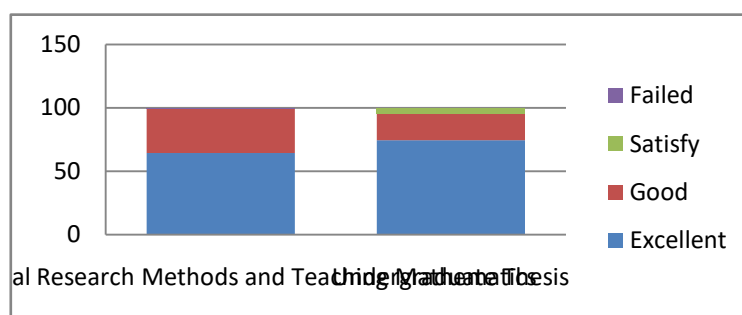


Figure 8. Achievement of PLO 4

PLO 5

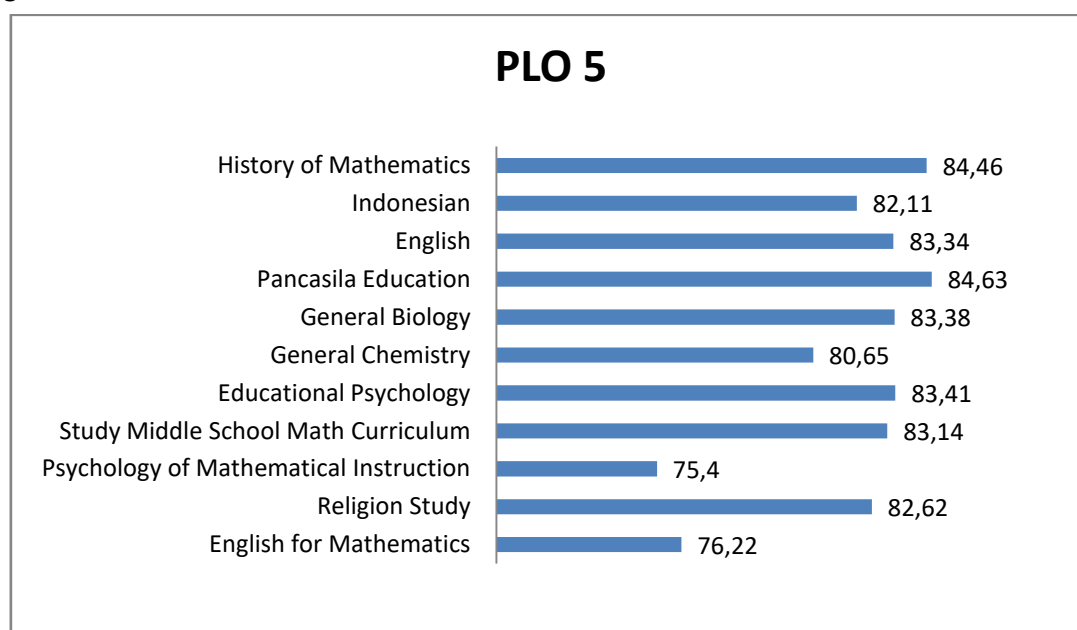


Figure 9. Mean score of PLO 5 in academic year 2019-2020

Table 5. Distribution of PLO 5 Achievement

Modules	E	G	S	F
English for Mathematics	45.6	44	8	2.4
Religion Study	80	20	0	0
Psychology of Mathematical Instruction	40.54	44.59	14.19	0.68
Study Middle School Math Curriculum	75.86	24.14	0	0
Educational Psychology	83.33	16.67	0	0
General Chemistry	96.67	3.33	0	0
General Biology	73.33	26.67	0	0
Pancasila Education	93.33	6.67	0	0
English	76.67	23.33	0	0
Indonesian	66.67	33.33	0	0
History of Mathematics	94.32	4.35	4.84	2.17

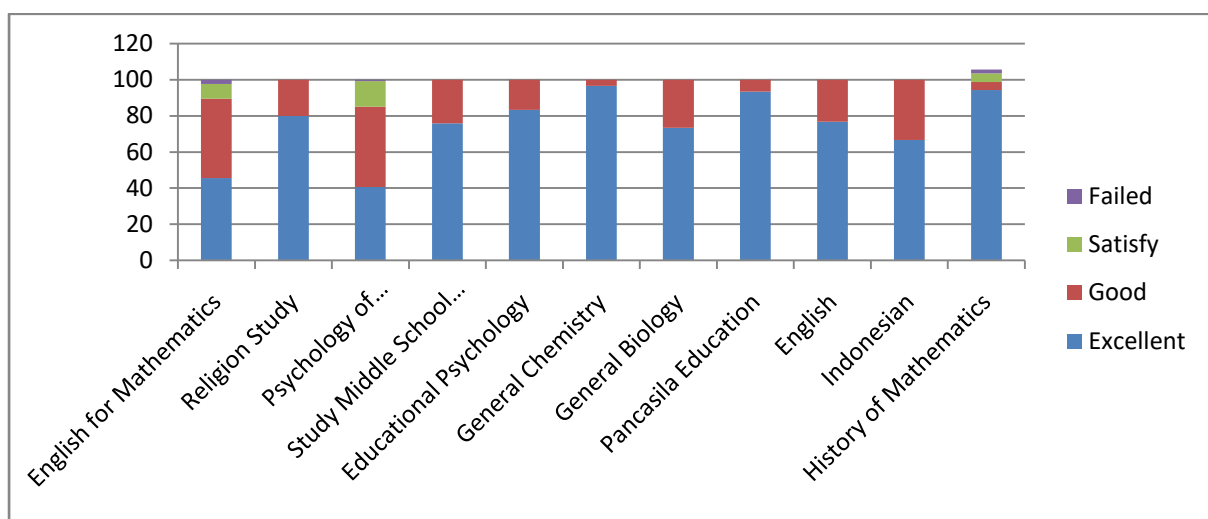


Figure 10. Achievement of PLO 5

PLO 6

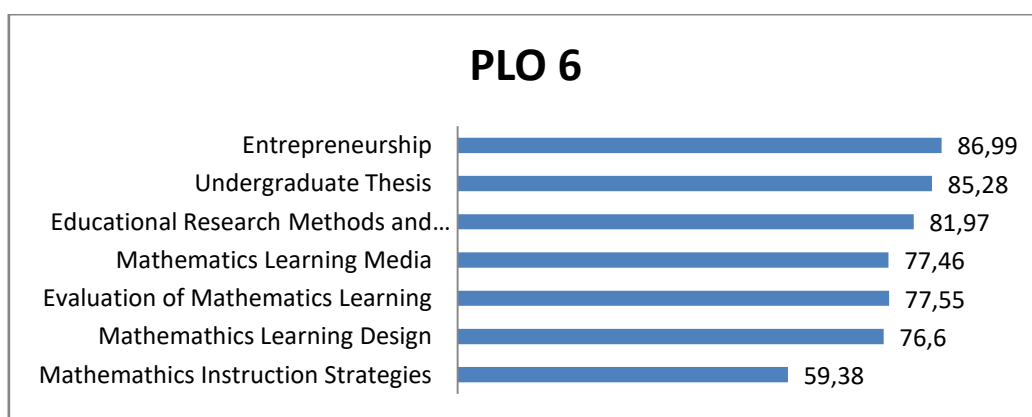


Figure 11. Mean score of PLO 6 in academic year 2019-2020

Table 6. Distribution of PLO 6 Achievement

Modules	E	G	S	F
Mathematics Instruction Strategies	50.69	47.92	0.69	0.69

Mathematics Learning Design	20.80	71.2	6.4	1.6
Evaluation of Mathematics Learning	54.94	35.8	5.56	3.7
Mathematics Learning Media	47.27	49.09	0.61	3.03
Educational Research Methods and Teaching Mathematics	71.25	28.13	0	0.63
Undergraduate Thesis	88.37	11.63	0	0
Entrepreneurship	92.86	7.14	0	0

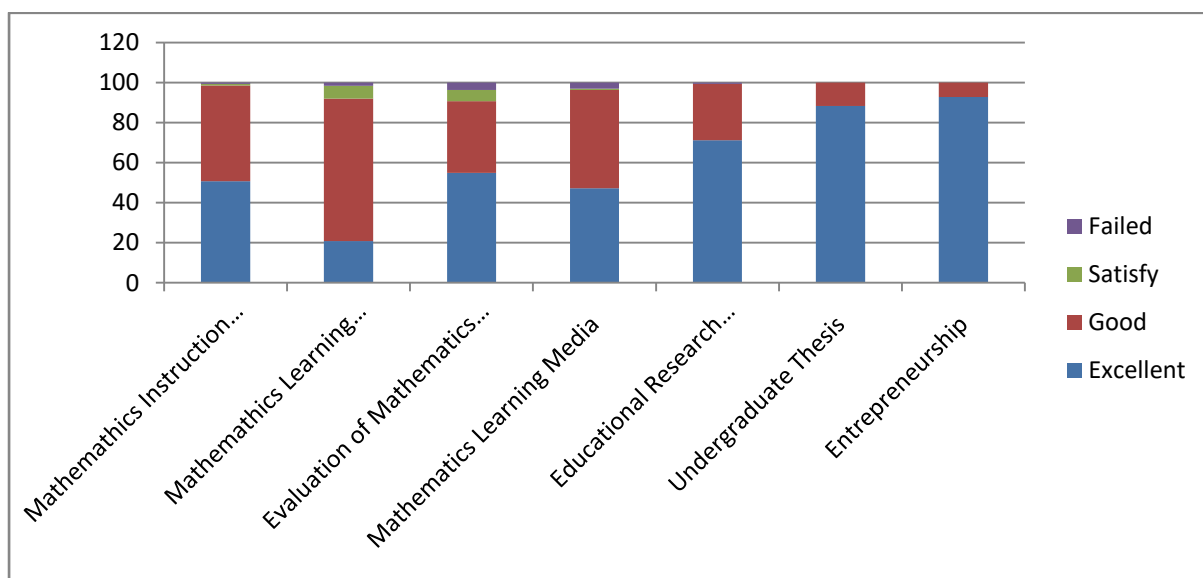


Figure 12. Achievement of PLO 6

PLO 7

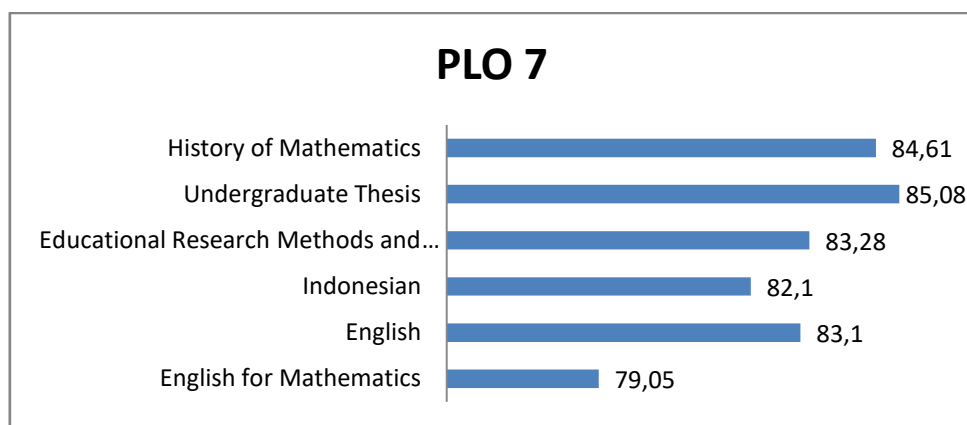


Figure 13. Mean score of PLO 7 in academic year 2019-2020

Table 7. Distribution of PLO 7 Achievement

Modules	E	G	S	F
English for Mathematics	46.4	51.2	0.8	1.6
English	73.33	33.33	0	0

Indonesian	66.67	33.33	0	0
Educational Research Methods and Teaching Mathematics	76.25	23.13	0	0.63
Undegraduate Thesis	88.37	11.63	0	0
History of Mathematics	93.48	4.35	0	2.17

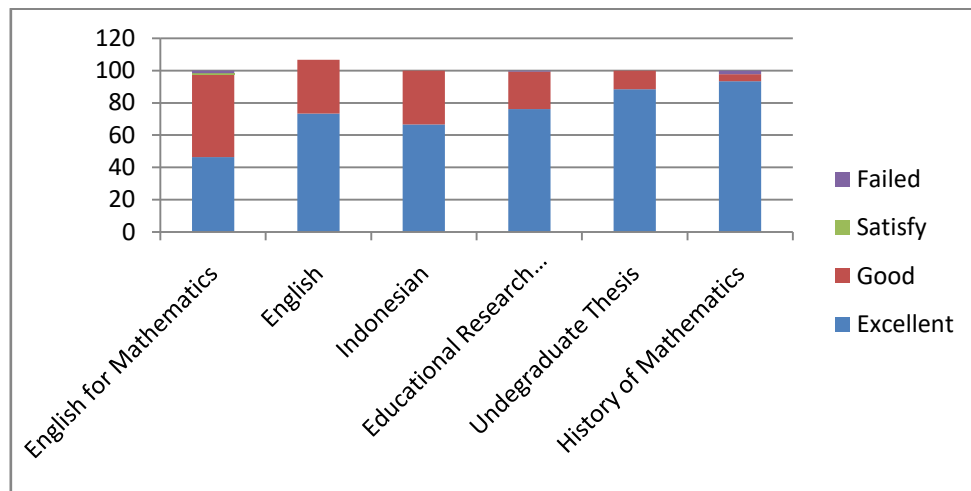


Figure 14. Achievement of PLO 7

PLO 8

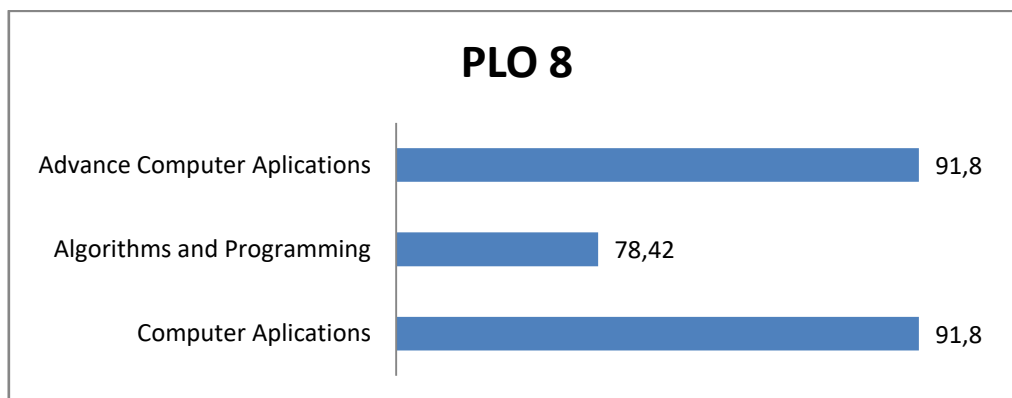


Figure 15. Mean score of PLO 8 in academic year 2019-2020

Table 6. Distribution of PLO 8 Achievement

Modules	E	G	S	F
Computer Applications	78.57	21.43	0	0
Algorithms and Programming	47.95	51.37	0	0.68
Advance Computer Applications	100	0	0	0

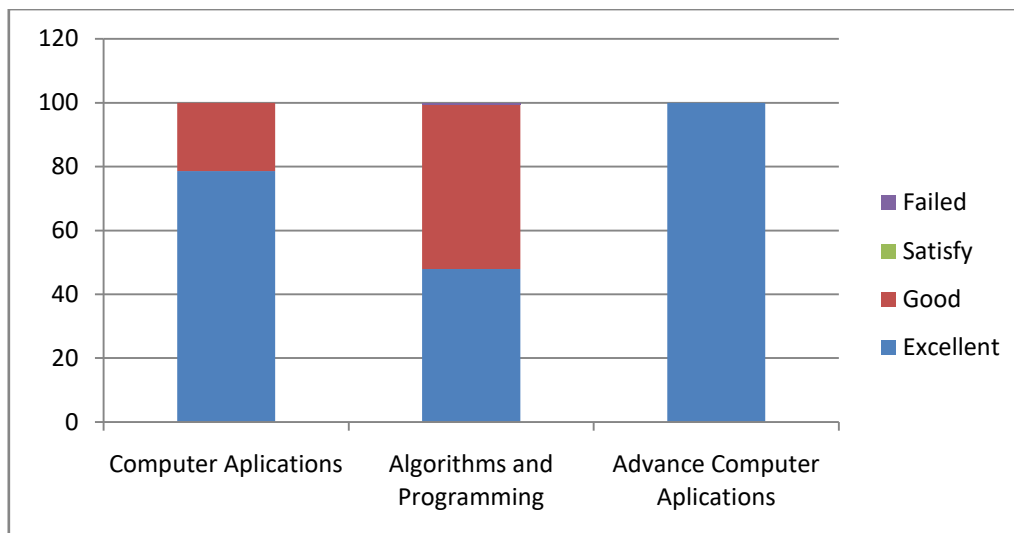


Figure 16. Achievement of PLO 8

PLO 9

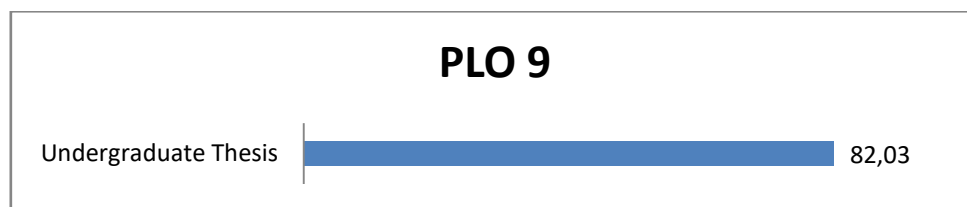


Figure 17. Mean score of PLO 9 in academic year 2019-2020

Table 9. Distribution of PLO 9 Achievement

Modules	E	G	S	F
Undergraduate Thesis	88.37	0	11.63	0

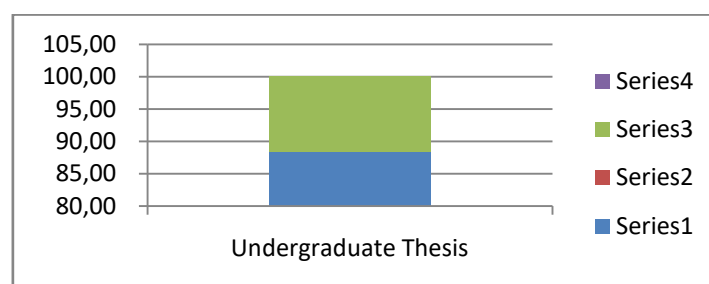


Figure 18. Achievement of PLO 9

PLO 10

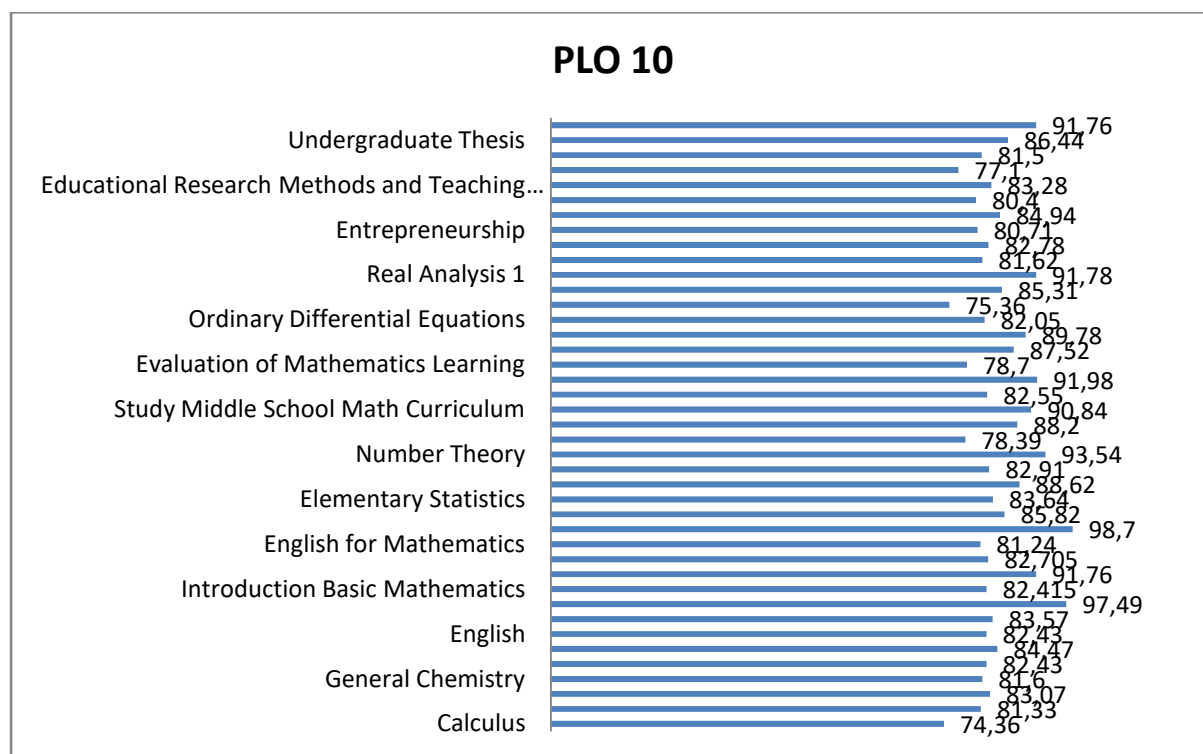


Figure 19. Mean score of PLO 10 in academic year 2019-2020

Table 10. Distribution of PLO 10 Achievement

Modules	E	G	S	F
Calculus	60.895	24.86	0	14.245
Religion Study	50	50	0	0
Educational Psychology	56.67	43.33	0	0
General Chemistry	83.33	16.67	0	0
General Biology	60	40	0	0
Pancasila Education	70	30	0	0
English	56.67	43.33	0	0
Indonesian	70	30	0	0
Actuaria	100	0	0	0
Introduction Basic Mathematics	70.605	28.205	1.19	0
Plane and Space Geometry	70.035	21.165	3.96	4.065
English for Mathematics	31.2	68	0	0.8
Advance Calculus	95.65	4.35	0	0
Plane and Space Geometry Analytic	64.9	33.11	1.32	0.66
Elementary Statistics	75.84	21.91	0.56	1.69
Psychology of Mathematical Instruction	79.73	18.92	0	1.35
Elementary Linear Algebra	64.355	32.29	0.905	2.45
Number Theory	99.1	0	0	0.9
Mathematics Instruction Strategies	63.89	4.86	0	31.25
Vector Calculus	93.46	4.67	0.93	0.93
Study Middle School Math Curriculum	82.76	17.24	0	0

Algorithms and Programming	58.9	34.93	5.48	0.68
Mathematics Learning Design	96.8	1.6	0	1.6
Evaluation of Mathematics Learning	35.19	56.79	4.94	3.09
Mathematics Learning Media	88.48	8.48	1.21	1.82
Mathematical Statistics 1	96.67	2.22	0	1.11
Ordinary Differential Equations	79.08	17.65	0	3.27
Discrete Mathematics	42.41	53.16	0	4.43
Introduction to Operations Research	85.92	12.68	0	1.41
Real Analysis 1	87.43	11.38	1.2	0
Transformation Geometry	97.62	0	0	2.38
History of Mathematics	78.295	20.615	0	1.085
Entrepreneurship	14.29	85.71	0	0
Sampling Technique	87.5	12.5	0	0
Numerical Method	85.11	10.64	0	4.29
Educational Research Methods and Teaching Mathematics	89.38	9.38	0	1.25
Algebra Abstract	79.01	20.37	0	0.62
Basic Algebra and Trigonometry	41.67	58.33	0	0
Undergraduate Thesis	90.7	9.3	0	0
Advanced Computer Application	100	0	0	0

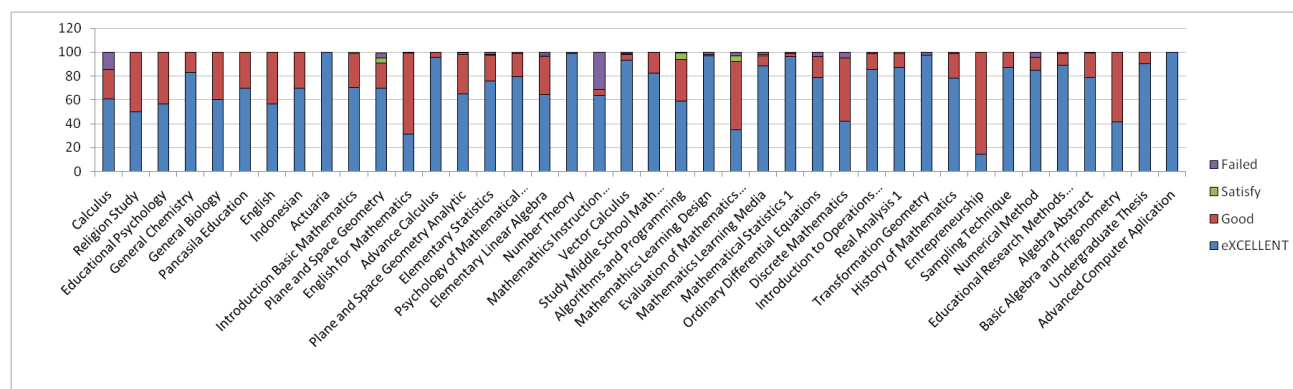


Figure 20. Achievement of PLO 10

PLO 11

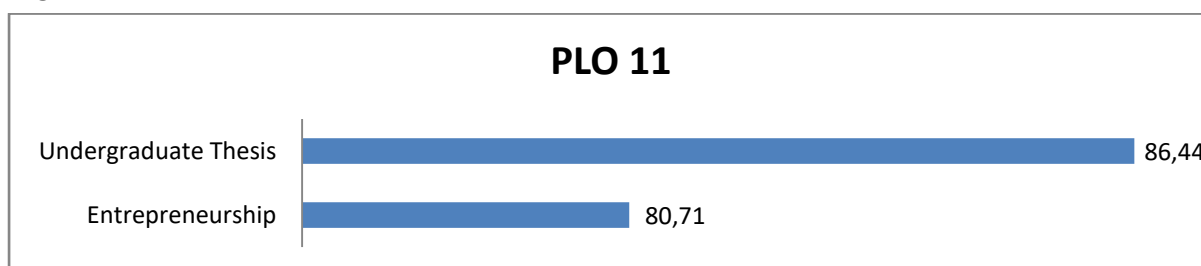


Figure 21. Mean score of PLO 11 in academic year 2019-2020

Table 10. Distribution of PLO 11 Achievement

Modules	E	G	S	F
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Entrepreneurship	14.29	85.71	0	0
Undergraduate Thesis	90.7	9.3	0	0

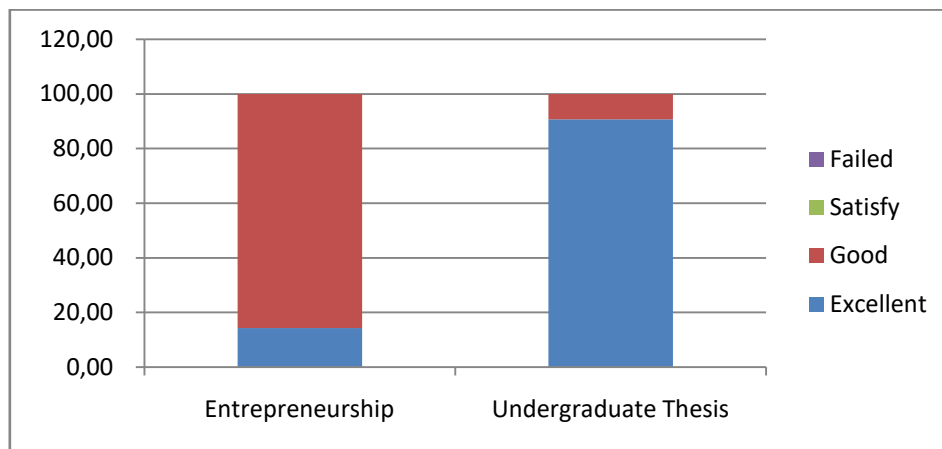
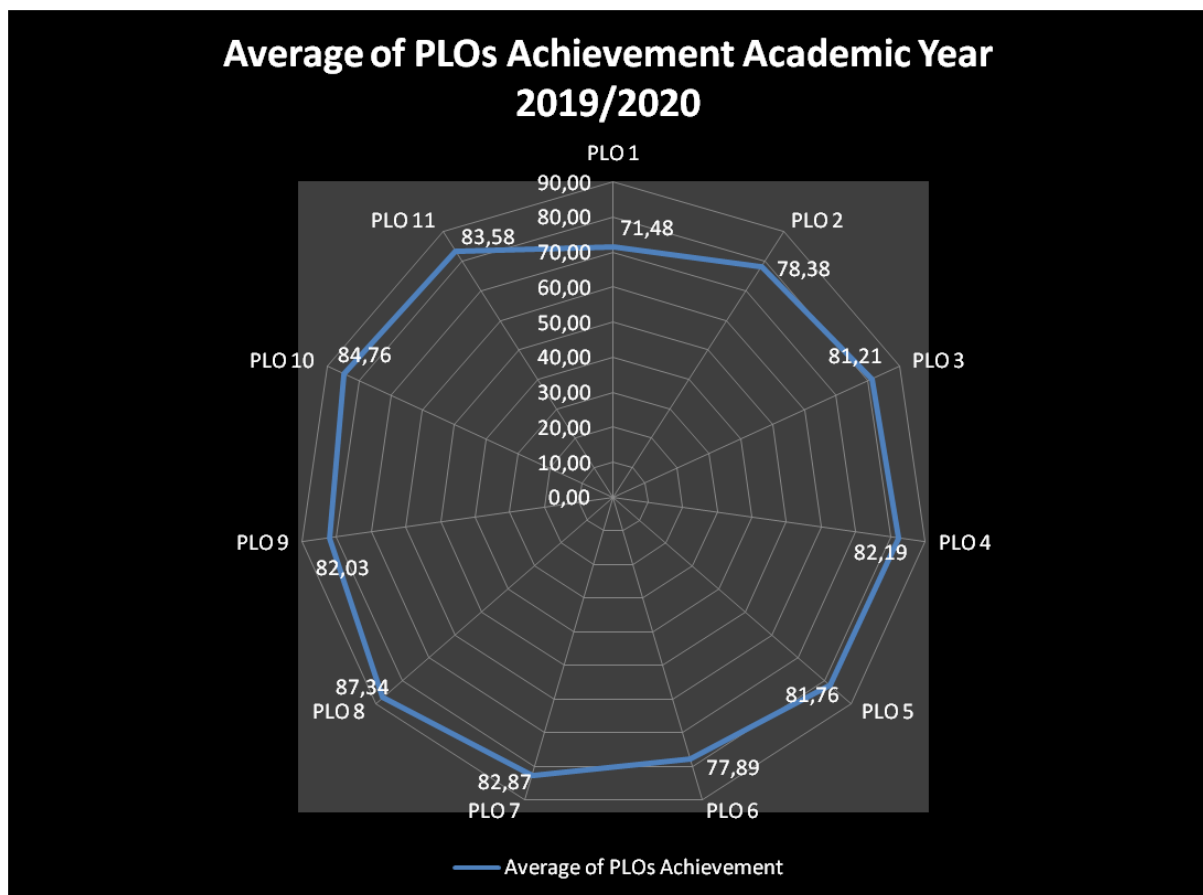


Figure 22. Achievement of PLO 11

PLO Assesment Result Academic Year 2019/2020



Criteria Percentage of PLOs Achievement Academic Year 2019/2020

