



MINISTRY EDUCATION AND CULTURE
UNIVERSITY COUNTRY MALANG (UM)
UPT UNIT GUARANTEE QUALITY (SPM)

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I. INTRODUCTION

Faculty	Faculty Mathematics and Knowledge Knowledge Natural
Address	Jl. Semarang 5, Malang
Name Dean/Director	Prof. Dr. Hadi Suwono, M.Si
Date audit	Monday, 23-11-2020
chairman Auditor	Name: Dyah sustainable, ST, M.Eng. Faculty: FT
Member Auditor	1. Name: Dr. Raden Bambang Sumarsono, S.Pd, M.Pd Faculty: FIP 2. Name: Prof.Arif Nur Afandi, ST, MT, Ph.D. Faculty: FT
Proof endorsement	



II. PURPOSE
AUDIT

- 1 Ensure suitability direction and implementation guarantee quality Program Studies to Document Academic Faculty and Documents Quality Faculty
- 2 Map readiness Program Studies in doing program Accreditation

III. SCOPE AUDIT

1. vision, Mission, Purpose and Strategy Program Studies
2. System tutor, system manage and cooperation
3. Student
4. Source power man
5. Finance, Means, and Infrastructure
6. Education
7. Study
8. Devotion to Public
9. Outcomes and achievements Tri Dharma

IV. TIMETABLE
AUDIT

Date Audits: 23-11-2020

#	Time	Activity audit
1	08:56-15:30	audit Internal Quality FMIPA UM year 2020

V. FINDINGS

AUDIT

1. Incompatibility

#	KTS/OB	Standard/Criteria	Finding audit
1	KTS	Student	Not there is student foreign in list student in study program Education IPA
2	OB	Student	There are no foreign students in S1, S2, S3 Education Study Programs Mathematics and S1 Study Program, S2 Mathematics have received confirmation during a compliance audit from the head of the study program who state that Study Program S1 S2, S3 Education Mathematics and S1, S2 Mathematics Study Program has not accepted students yet foreign.
3	OB	Source Power Man	DTSPS research is still funded by PT, independent or domestic funding, there is no research with sources financing outside country . PkM who relevant also still a little compared with the number of DTSPS. Results calculation no there is which in accordance with matrix evaluation
4	OB	Source Power Man	The research output of a lecturer in the department of mathematics is in the form of a book BerISBN or Book Chapter and which IPR (right create) not yet there are patents. The number of outputs is still less than many DTSPS but almost all DTSPS are involved in study which produce output.
5	KTS	Source Power Man	Amount lecturer permanent in study program has fulfilled, part big tiered master
6	KTS	Source Power Man	Position academic para lecturer in study program PIPE that is lector (14%), assistant expert (36%), and energy lecturer (50%)
7	KTS	Source Power Man	Ratio ratio total lecturer and student that is 1:20
8	KTS	Source Power Man	Majority lecturer got fund study DN, a number of get foreign funding, and some do research independent
9	OB	outside and Achievements Tridharma	Have received confirmation during a compliance audit from the chairman study program and HMJ supervisor who stated that the achievement students in the academic field are still about competition national and local mathematics such as the Olympics. For the international still as much 2 person (S1 Education) which if compared to the number of students is still too small. Meanwhile, for postgraduate students, there are no achievements academically, this is due to the lack of competitive activities academic field organized for students Postgraduate, In addition, there are still not many seminars or conference which gives award presenter best as achievement a college student at field academic.
10	OB	outside and Achievements Tridharma	Have received confirmation during a compliance audit from the chairman study program which states that the achievements of undergraduate students majoring in Mathematics in non-academic fields is still about competition national and local, while for Postgraduate students not yet there is achievement non academic and During this of course very seldom there is

competition related to it.

#	KTS/OB Standard/Criteria	Finding audit
11	OB outside and Achievements Tridharma	Average time studies student S2 Education Mathematics and S2 Mathematics still gets a score of 0. This can be caused by the formula used to calculate score is the formula used in calculating the mass Undergraduate PS studies are for 4 years. As for the time Mathematics education doctoral studies get a score of these 4 things because the calculations on the system still use formula for time S1 study.
12	KTS outside and Achievements Tridharma	Not yet tabulated achievement student in field academic
13	KTS outside and Achievements Tridharma	Not yet tabulated achievement student in field Non-Academic
14	KTS outside and Achievements Tridharma	Not yet done tabulation about level and size the place graduate work

2. Suggestion Repair

#	Standard Criteria	Excess	Opportunity Enhancement
1	vision, Mission, Goals and Strategy		- Data supporting the suitability of the vision, mission, objectives, and strategies need consistently done . - Mechanism of preparation and determination VMTS involve external parties (graduates and graduate user or expert/partner/organization profession/government) - Proof effectiveness strategy achievement goal need done

- | | | | |
|---|--|--|---|
| 2 | System
civil
servant,
Governanc
e and
Cooperatio
n | <ul style="list-style-type: none"> ▪ Commitment leadership UPPS
Quality, benefits, satisfaction,
and continuity of cooperation
education, research, and PkM
which relevant to PS ▪ Cooperation, education, and
PkM which relevant ▪ international cooperation,
national, region/city which
relevant with PS and managed
UPPS in 3 years final | <ul style="list-style-type: none"> ▪ Effectiveness and
efficiency maintenance
organization need upgraded ▪ Realizing good governance
which includes 5 pillars ▪ Innovation to generate value
added by the leadership UPPS ▪ Valid evidence of
effectiveness
implementation of
guarantee quality
provided ▪ Service satisfaction
measurement management
needs to be added for fulfil
aspect 5 and 6 |
|---|--|--|---|

#	Stand ard Criteri a	Excess	Opportunity Enhancement
3	Student	▪ Recruitment method and tightness selection ▪ Availability service student	▪ Study program socialization is necessary improved to meet trend of increasing number registrants reached >10% in 3 last year ▪ Give opportunity for foreign students who follow the process learning in PIPE ▪ Health services must fulfil all type service health
4	Source Power Man	▪ Adequate number of lecturers permanent ▪ The presence of the lecturer is not permanent ▪ Lecturer performance load as a guide main Duty end ▪ Scientific publications with title which relevant with PS	▪ Number of DTSP that educated doctor ▪ Number of DTSP holding positions Academic Lecturer Head/Teacher Big Student ratio PS against the amount of DTSP need set the proportion ▪ Equivalent teaching time full DTSP need made effective ▪ Lecturer achievement is necessary upgraded ▪ Number of studies by source Domestic/LN/independent financing need upgraded ▪ Jumlah devotion to community with resources Domestic/LN/independent financing need upgraded ▪ outside study and PkM which generated need upgraded ▪ Article work scientific lecturer permanent which confiscated need upgraded ▪ Development consistency lecturer of management unit and PS in accordance strategic plan need done ▪ Qualifications and adequacy education personnel need upgraded ▪ Qualifications and adequacy laboratory staff needed customized with needs

5 Source
Power
Man

Need to add more research and
PkM generated by DTPS which
produces an output in the form of
HKI(copyright and patent), book
ber ISBN and Book chapters.

#	Stand ard Criteri a	Excess	Opportunity Enhancement
6	Finance, Facilities and Infrastruct ure	▪ Fund study ▪ dedication fund to Public	▪ Education operational costs need to improve for reach score HUBCAP à 20 _ ▪ Realization of investment is necessary upgraded to meet all needs maintenance tridharma ▪ Adequacy fund for guarantee operation should sourced from the funding realistic ▪ Means infrastructure which up-to-date needs to be held for reach achievements learning and Upgrade atmosphere academic
7	Education	▪ Achievement suitability learning with profile graduate of Structural accuracy curriculum Depth and RPS area Suitability method learning with Learning Outcome ▪ Learning implemented in shape practice ▪ Quality of implementation learning Implementation evaluation consist from various kinds of shapes ▪ Implementation evaluation covers 7 element ▪ Level satisfaction student	▪ Evaluation and updating curriculum periodically involve experts in the field of science PS and scientific associations, as well as according to development of science and technology and needs user ▪ Process characteristics PS learning must fulfil 6 traits ▪ Application document RPS consistent done ▪ Monev learning done by on line ▪ Process learning which related study should fulfil SN Dikti Process learning which related devotion to Public should meet SN Dikti ▪ Results monev learning need follow up ▪ Activity scientific should intense implemented (a month very) ▪ Satisfaction measurement results student done 2 time every semester

8 Study

- Relevance of research on unit manager
- The DTSP research involves student

Socialization of the research roadmap is necessary done to students guidance, carried out in accordance with research agenda, evaluation suitability, and use evaluation for development science study program

#	Standard Criteria	Excess	Opportunity Enhancement
9	Devotion to Public	▪ PkM relevance to units manager ▪ PkM DTPS involves student	
10	outside and Achievements Tridharma	▪ CPL compliance analysis GPA graduate of ▪ Study period Graduation on time Success studies Time wait ▪ Suitability field work ▪ outside study and PkM which generated	▪ Student achievement in academic field needed upgraded ▪ Student achievements in the field of non-academic need upgraded Tracer study should fulfill 5 aspects ▪ Place level and size graduate work needs to be done for got the data ▪ Student scientific publications in national/international journal or national seminars/ international, as well as media mass regional/national/international need upgraded

VI. CONCLUSION AUDIT

Team audit conclude:

1. Of the nine criteria for i, almost all study programs have a good score above, 3.0 .. except for study program study program which still open like S1 biotech
2. System documentation enough complete and structured for support implementation System Guarantee Quality Internals. (V) Yes Not Others, mention : _____
3. Program studies has operate System Guarantee Quality Internal by consistent and sustainable. (V) Yes No Other, mention
4. Internal Quality Audit at FMIPA UM has been carried out according to the schedule 16-20 November 2020 and running with good

NEWS EVENT AUDIT QUALITY INTERNAL

On day Monday date 23-11-2020 has implemented audit Quality Internal (AMI) by Team Auditor Quality Assurance Unit at the Faculty of Mathematics and Natural Sciences, State University Poor.

News event AMI this signed by chairman Auditor and UPPS Faculty Mathematics and Knowledge Knowledge Natural University Malang Country after checked and Approved.



ATTACHMENT

https://bit.um.ac.id/Laporan_AMI_MIPA_20

1. Data AMI FMIPA at each Study Program
2. list Present Activity Auditor & auditee
3. Photo Activity