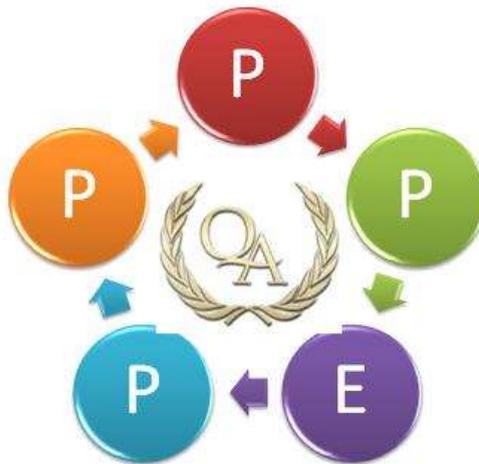




**Standard of Internal Quality Assurance System (SPMI)
Faculty of Mathematics and Natural Sciences
Andalas University**

STANDARD OF LEARNING ASSESSMENT

SM-04-01



Budaya Mutu untuk Daya Saing Regional

**Faculty of Mathematics and Natural Sciences
Andalas University**

2018

Limau Manis Campus, Padang – 25163

PREFACE

We extend praise to God Almighty, for His permission Internal Quality Assurance Document of the Faculty of Mathematics and Natural Sciences Andalas University: Standards this Learning Assessment can be completed and published.

This SPMI standard was made in order to improve the quality of higher education in FMIPA Andalas University in a planned and sustainable manner; guidelines for quality organization in the implementation of SPMI at the faculty and department / study program; and guidelines for faculty and department leaders and staff in the implementation of the specified SPMI standards. Learning Assessment Standards focus on the discussion, which includes learning assessment, assessment the process and assessment of student learning outcomes to meet the Achievement Standards Course Learning (CPMK).

The Learning Assessment Standards are prepared by the Formulating Team involving members of the Quality Control Cluster (GKM) Department and Agency Study Program FMIPA Unand Internal Quality Assurance and is expected to be used as reference in the preparation of plans, implementation, monitoring and evaluation academic activities for academic community institutions in improving quality sustainable especially in the Faculty of Mathematics and Natural Sciences Andalas University.

Padang, June 20th, 2018

Head of BAPEM



Dr. Harmadi
NIP. 197112221999031001

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STANDARD OF LEARNING ASSESSMENT

1. Definition

- 1) Learning assessment standards are a minimum criterion about the assessment of student learning processes and outcomes in the context of fulfilling graduate learning outcomes, which is abbreviated as CPL.
- 2) Assessment of student learning processes and outcomes includes: a) valuation principles; b) techniques and instruments assessment; c) assessment mechanisms and procedures; d) conducting assessment; e) valuation reporting; and f) student graduation.
- 3) The principles of valuation include educative, authentic, objective principles, accountable, and transparent, which is carried out in an integrated manner.
- 4) Educational principles are assessments that motivate students to be able to improve planning and learning and won CPL.
- 5) Authentic principles are valuation oriented continuous learning process, and learning outcomes reflect the ability of students at the time of Assessment Learning takes place.
- 6) The objective principle is an assessment based on agreed standards between lecturers and students as well as free from the influence of the subjectivity of the evaluator and the assessed.
- 7) Accountable principles are judgments that are carried out accordingly with clear procedures and criteria, agreed at the outset lecture, and understood by students.
- 8) Transparent principles are procedure judgments, and the results of the assessment are accessible to all stakeholders.
- 9) Summative assessment, namely measuring learner's ability to master the material learning both knowledge and skills periodic stated in the final value form.

2. Rational Learning Assessment Standards

The direction of developing UNIP FMIPA education is to produce nationally competitive and highly competitive graduates recognition at the ASEAN level. Educational development direction FMIPA was derived from the direction of the development of UNAND education, which is to produce graduates who have global competitiveness the spirit of entrepreneurship, and the character of Andasionalan. Implementation FMIPA UNAND education must be implemented in accordance with the Regulations Minister of Research, Technology, and Higher Education Number 44 the year 2015 Concerning National Higher Education Standards (SN-Dikti).

In an effort to fulfill SN-Dikti and adopt a framework quality assurance of higher education in ASEAN (framework for quality assurance in higher education within ASEAN), then FMIPA UNAND have learning assessment standards. Learning Assessment aims to measure students in the set CPMK. Learning assessment consists of an assessment of the process and results from student learning, which must include assessment principles, assessment techniques, and instruments, mechanisms and procedures appraisal, d) conducting an appraisal, appraisal reporting, and student graduation. Therefore, every lecturer must be able to formulate and carry out learning assessments accordingly with a semester learning plan (RPS).

3. Statement of Content Learning Assessment Standards

- 1) The lecturer plans an assessment of learning, which includes assessment process (for CP attitudes and values, and CP general skills and soft skills) and learning outcomes (for CP mastery of knowledge and CP skills precisely), according to the course RPS.
- 2) The lecturer observes the achievement of CP attitudes and values with observation and uses techniques precise rubric instruments in accordance with norms and ethics academic delivered in the lecture contract.
- 3) The lecturer sets a certain percentage of assessment for CP mastery of knowledge, special skills, and general skills and soft skills.
- 4) The lecturer carries out an assessment of the achievement of CP mastery of specific knowledge and specialized skills scheduled through the Middle Semester Exam (UTS) and Final Exams Semester (UAS) with techniques according to the method learning carried out and using instruments measurable rubric.
- 5) Lecturers carry out an assessment of general achievement skills and soft skills with appropriate techniques with learning methods implemented and using a measured rubric instrument.
- 6) Chairman of the group of expertise carrying out quality verification about UTS and UAS to guarantee level coverage cognition, psychomotor, and affection in accordance with the level of education bachelor, master, or doctoral degree.
- 7) The Chair of the study program guarantees the similarity of the examination system and assessment for parallel classes.
- 8) The lecturer applies the transparency of the results of the assessment of college student.
- 9) The Chair of the study program establishes an assessment instrument for measuring the achievements of final project learning (CPTA), which includes the development of attitudes and values, knowledge, special skills, general skills, and soft skills.

4. Strategies for Implementing Learning Assessment Standards

- 1) BAPEM designs the contents of the learning assessment standard to be applied to all study programs.
- 2) The contents of the learning assessment standards set by BAPEM, after getting an agreement by the Dean, Deputy Dean I, Chairperson Department and Chair of Study Programs.
- 3) BAPEM is accompanied by the Head of the Department, and the Head of the Study Program socialize the contents of learning assessment standards to the lecturer.
- 4) The lecturer carries out the contents of the learning assessment standard.
- 5) BAPEM evaluates the implementation of assessment standards learning implemented by lecturers through quality audits internal (AMAI).
- 6) BAPEM controls non-achievement or deviation implementation of learning assessment standards through demand corrective action (PTK) to the dean and head of the department.
- 7) BAPEM increases the standard of learning assessment after all standard contents are fulfilled in one or several cycles of quality.

5. Achievement Indicators of Learning Assessment Standards

- 1) The percentage of courses in the curriculum of a study program carries out an assessment of the process and learning outcomes.
- 2) The Percentage of courses in the curriculum of a study program, run an assessment in accordance with the RPS.
- 3) The Percentage of courses in the curriculum of a study program carries out the assessment of assessment to students.

6. Responsible Parties Achieve Content Learning Assessment Standards

The party responsible for achieving learning content standards that is:

- 1) Dean;
- 2) Vice Dean I;
- 3) Head of Department;
- 4) Chair of the Study Program;
- 5) Chair of the Expertise Group; and
- 6) Lecturer.

7. References

- 1) Panduan Penyusunan Kurikulum Pendidikan Tinggi. Kementerian Riset, Teknologi dan Pendidikan Tinggi. Direktorat Pembelajaran dan Kemahasiswaan. Direktorat Pembelajaran. Jakarta. 2016.
- 2) Guide to AUN-QA Assessment at Programme Level. Version 3.0. ASEAN University Network (AUN), Chulalongkorn University, Bangkok, Thailand, 2015.
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- 4) Assessment for Learning Formative Assessment. OECD/CERI International Conference "Learning in the 21st Century: Research, Innovation and Policy". 2008.
- 5) Measuring Soft Skills and Life Skills in International Youth Development Programs. A Review and Inventory of Tool. Washington DC, USAID's Youth Power Implementation IDIQ - Task Order 1, Youth Power Action. 2017.



**KEPUTUSAN DEKAN
FAKULTAS MIPA UNIVERSITAS ANDALAS
Nomor : 161 /XIII/D/FMIPA/2018**

Tentang

**PENUNJUKAN/PENGANGKATAN PANITIA
DAN TIM PENYUSUN DOKUMEN STANDAR PENILAIAN PEMBELAJARAN
SISTEM PENJAMINAN MUTU INTERNAL (SPMI)
FAKULTAS MIPA UNIVERSITAS ANDALAS TAHUN 2018
DEKAN FAKULTAS MIPA UNIVERSITAS ANDALAS**

- Menimbang** : a. Bahwa dalam rangka peningkatan mutu pendidikan tinggi secara berencana dan berkelanjutan di Fakultas MIPA Universitas Andalas, maka perlu dirumuskan dan disusunnya Dokumen Standar Penilaian Pembelajaran Sistem Penjaminan Mutu Internal (SPMI) Fakultas MIPA Universitas Andalas Tahun 2018;
- b. Bahwa untuk kelancaran pelaksanaan kegiatan pada butir "a" di atas, dirasa perlu menunjuk dan mengangkat Panitia dan Tim Penyusun Dokumen Standar Penilaian Pembelajaran Sistem Penjaminan Mutu Internal (SPMI) Fakultas MIPA Universitas Andalas Tahun 2018.
- Mengingat** : 1. Undang-Undang Nomor 8 Tahun 1974 dan Nomor 43 Tahun 1999 tentang pokok-pokok Kepegawaian;
2. Undang-undang Nomor 20 tahun 2003 tentang Sistem Pendidikan Nasional;
3. Undang-Undang Nomor 5 Tahun 2015 tentang Aparatur Sipil Negara (ASN);
4. Peraturan Pemerintah RI Nomor 17 tahun 2010 tentang Pengelolaan dan Penyelenggaraan Pendidikan sebagaimana telah dirubah dengan PP Nomor 66 Tahun 2010;
5. Keputusan Menteri Pendidikan dan Kebudayaan Nomor 25 Tahun 2012 tentang Organisasi dan Tata Kerja Universitas Andalas;
6. Keputusan Menteri Keuangan Nomor 501/KMK.05/2009 tentang Penetapan Universitas Andalas sebagai instansi pemerintah yang menerapkan Pengelolaan Keuangan Badan Layanan Umum;
7. Keputusan Rektor Universitas Andalas Nomor 809/III/A/Unand-2016 tanggal 9 Agustus 2016 tentang Pengangkatan Dekan Fakultas MIPA Universitas Andalas Periode 2016 – 2020;
8. Pengesahan DIPA Universitas Andalas Tahun 2018 Nomor SP. DIPA-2.01.2.400928/2018 tanggal 5 Desember 2017.

MEMUTUSKAN

- Menetapkan** :
- Pertama** : Menunjuk/mengangkat nama yang tersebut pada lampiran keputusan ini sebagai Panitia dan Tim Penyusun Dokumen Standar Penilaian Pembelajaran Sistem Penjaminan Mutu Internal (SPMI) Fakultas MIPA Universitas Andalas Tahun 2018.
- Kedua** : Panitia dan Tim Penyusun Dokumen Standar Penilaian Pembelajaran Sistem Penjaminan Mutu Internal (SPMI) Fakultas MIPA Universitas Andalas Tahun 2018 dalam menjalankan tugasnya bertanggung jawab kepada Dekan FMIPA Unand.
- Ketiga** : Segala biaya yang timbul akibat diterbitkannya keputusan ini dibebankan kepada anggaran DIPA Universitas Andalas Tahun 2018.
- Keempat** : Keputusan ini berlaku sejak tanggal ditetapkan, dengan ketentuan apabila dikemudian hari terdapat kekeliruan dalam penetapan ini akan diadakan perbaikan sebagaimana mestinya.

Ditetapkan di : Padang
pada tanggal : 27 Februari 2018



Tembusan :

1. Yang bersangkutan
2. Arsip

Lampiran I : Keputusan Dekan Fakultas MIPA Universitas Andalas

Nomor : 161 /XIII/D/FMIPA/2018
Tanggal : 27 Februari 2018
Tentang : Tim Penyusun Dokumen Standar Penilaian Pembelajaran Sistem Penjaminan Mutu Internal (SPMI) Fakultas MIPA Universitas Andalas Tahun 2018

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Nomor : 161 /XIII/D/FMIPA/2018

Tanggal : 27 Februari 2018

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