Guidelines for Implementation of Education Bachelor of Veterinary Medicine
PREFACE

In the blessing of Allah we are happy to arrange this Guidance Book of Veterinary Education Program S1 for Veterinary Education in the Faculty of Veterinary Medicine Universitas Airlangga has already been finished successfully.

This Guidance Book is the 19th edition from 1980 – 2014 and based on the Government Regulation No. 5 of 1980 regarding the main organizations of Government Institute, the Government Regulation No. 60 and 61 of 1999 and the result of the practical work in the implication of Veterinary Education in 2000 and curriculum review in 2013.

This book can also be the guidance for all students of 2014 or before that was not passed the examination yet, Academic Staff and students who want to know the regulation for organizing the Education, curriculum, the Evaluation System and the quality assurance. For the details have to be completed with Academic Document which consists of the Procedure Guidance, Work Instruction and the Thesis Seminar and the Guidance of Veterinarian Profession Education.

The Faculty of Veterinary Medicine of Universitas Airlangga has already got an A accreditation from BAN PT for the Graduate Veterinary Program (S1) 2010 - 2015 and the Post Graduate Program (S2) and the Veterinary Agribusiness and also got ISO 9001 - 2008, IWA 2007, Excellent Education System Based on Malcolm Baldrige, as a member of South East Asia Veterinary School Association, Association Institute of Tropical Veterinary Medicine and Association of Indonesian Veterinary Medicine, got an appreciation from the Government of Malaysia in 2011.

In this opportunity we want to express our thanks to the Organizing Team, for Quality Assurance Unit and all parties that already helped in finishing this Guidance Book for the application of the Graduate Education Program S1 of Faculty of Veterinary Medicine, Universitas Airlangga.

Surabaya, June 2014
Dean,

Prof. Hj. Romziah Sidik, drh., Ph.D.
NIP 19531216178062001
DEAN OF THE FACULTY OF VETERINARY MEDICINE
UNIVERSITAS AIRLANGGA
FOR THE PERIOD OF 2010 -2015

Prof. Romziah Sidik, DVM., Ph.D
Dean

Dr. Anwar Ma’ruf, DVM., M.Kes
Vice Dean I

Prof. Dr. Pudji Srianto, DVM., M.Kes
Vice Dean II

Prof. Dr. Suwarno DVM., M.Si
Vice Dean III
LETTER OF DECISION  
DEAN OF FACULTY OF VETERINARY MEDICINE  
UNIVERSITAS AIRLANGGA  
----------------------------------  
No. 80/UN3.I.6/KD/2014  
WITH REGARD OF  
THE VALIDITY OF THE EDUCATION APPLICATION GUIDANCE FOR FACULTY OF VETERINARY MEDICINE  
UNIVERSITAS AIRLANGGA 2014  
DEAN OF THE FACULTY OF VETERINARY MEDICINE  
UNIVERSITAS AIRLANGGA  

Consideration:  
(a). To support the successful of education application in the Faculty of Veterinary Medicine Universitas Airlangga, it is necessary to fix guidance Application for the education in Faculty of Veterinary Medicine, Universitas Airlangga, 2014.  
(b). In relation to point (a) it is necessary to create a Letter of Decision from the Dean of Faculty of Veterinary Medicine Universitas Airlangga  

Remembrances:  
1. The National Act No, 20 in 2003 regarding the National Education System.  
2. The Government Regulation No. 30 in 2006 regarding the Decision that Universitas Airlangga is to be the Law of Government Body (BHMN)  
3. Letter of Decision from Minister of Education and Culture Republic of Indonesia No. 055/O/1972 dated Jan, 1, 1972 regarding the building up the Faculty of Veterinary Medicine Universitas Airlangga  
7. The Regulation of the Rector of the University No. 9057/JO3/HK/2006 regarding the Organization Structure in Universitas Airlangga  
8. The Regulation of Rector of Universitas Airlangga No. 6933/JO3/KP/2007 regarding Organization Structure and Faculty Operation in Universitas Airlangga  

The Attention of:  
1. Based on the understanding together between the Indonesia Veterinary Association and the Faculty of Veterinary Medicine in the Agriculture Institute Bogor, Universitas Airlangga, University of Gajah Mada, University of Udayana and University of Syah Kuala regarding the upgrading profession quality of the Veterinary through the Veterinary competence, The profession Power Legality of the
Veterinary. To form Council of Profession Education for Veterinarian and Veterinary paramedic competence on Feb 4, 2005
2. The outcome of workshop on competence based curriculum development through the curriculum redesign dated April 14-20 2005

DECIDED

The First: Legalize the validity Guidance of the Operation Education in Faculty of Veterinary Medicine Universitas Airlangga 2014 and there are new stages as follows:
The full content of this Guidance Book of the Education Operation in the Faculty of Veterinary Medicine Universitas Airlangga is valid for all students 2014/2015 and up to the following year.
For those students before 2014/2015 the Guidance Book for the Education Operation in the current academic year is valid

The Second: The Regulations which are not arranged in this Letter of Decision will be fixed later

The Third: This Letter of Decision is valid beginning the date as shown below and if there is any mistake in the next future, everything will be improved as it must to be.

The Fourth Any Letter of Decisions which are against this Letter of Decision must be cancelled immediately.

Valid in Surabaya
Dated June 24, 2014
Dean of Faculty of Veterinary Medicine

Romziah Sidik
NIP. 195312161978062001

Copy of this Letter is sent to:
Rector of Universitas Airlangga
LETTER OF DECISION
DEAN OF FACULTY OF VETERINARY MEDICINE
UNIVERSITAS AIRLANGGA
---------------------------------------------
No. 81/UN3.1.6/KD/2014

Regarding
The Organization Team for Education Guidance Book
Faculty of Veterinary Medicine Universitas Airlangga
2014

Dean of the Faculty of Veterinary Medicine Universitas Airlangga

Consideration:  
  a. In order to get a perfect graduate student suitable for the development of science and technology and can fulfill the development requirement, it is necessary to create guidance book for operating education the Faculty of Veterinary Medicine Universitas 2014.
  b. For the above reason it needs to create Organizing Team for making guidance book for Education Operation Faculty of Veterinary Medicine Universitas Airlangga 2014
  c. Based on point (a) and (b) it is necessary to create Letter of Decision from Dean of Faculty of Veterinary Medicine Universitas Airlangga.

Remembrances

- Act No. 20 / 2003 regarding National Education System
- Government Regulation No. 30 / 2006 regarding decision of the Universitas Airlangga as a Government Law Body (BHMN)
- Letter of Decision from the Minister of Education and Culture Republic Indonesia No. 055/0/1972 dated Jan. 1, 199792 regarding the building up Faculty of Veterinary Medicine Universitas Airlangga
- Regulation of Wali Amanat Council No. 12/P/MWA-UA/2008 regarding Household Budgeting in Universitas Airlangga
- Regulation from Rector of Universitas Airlangga No. 318/J03/HK/2008 regarding the changing of Rector Regulation No. 9037/J03/HK/2006 regarding Organization Structure in Universitas Airlangga.
- Rector Regulation No. 6933/JO3/KP/ 2007 regarding the structure organization and Faculty Operation in Universitas Airlangga environment
DECIDED

The First : Organize the guidance book for education Operation in Veterinary Universitas Airlangga 2014

The Second: Appoint Committee for guidance book in Organizing Team of Education Operation for Veterinary Universitas Airlangga 2014

The Third : This Letter of Decision is valid as per date below and if there is any mistake or shortage in the future all will be improved as per the valid act or regulation.

Place of validity: Surabaya
Date of validity : June 24, 2014
Dean of Faculty of Veterinary Medicine

Romziah Sidik
NIP: 195312161978062000

Copy of this letter is sent to:
Rector of Universitas Airlangga
Dean of Universitas Airlangga
The persons concerned
ORGANIZING TEAM FOR EDUCATION GUIDANCE BOOK
FACULTY OF VETERINARY MEDICINE
UNIVERSITAS AIRLANGGA 2014

The Responsible Team

Dean of Faculty of Veterinary Medicine Universitas Airlangga
Prof. Romziah Sidik, drh., Ph.D.
Vice Dean I Faculty of Veterinary Medicine Universitas Airlangga
Dr. Anwar Ma’ruf, drh. M.Kes.
Vice Dean II Faculty of Veterinary Medicine Universitas Airlangga
Prof. Dr. Pudji Srianto, drh. M.Kes
Vice Dean III Faculty of Veterinary Medicine Universitas Airlangga
Prof. Dr. Suwanto, drh., M.Si.

Dr. Sri Pantja Madyawati, drh. M.Si

Members of Team

1. Ratna Damayanti, drh., M.Kes.
2. Ira Sari Yudaniayanti, drh. MP.
4. Dr. Poedji Hastutiek, drh., M.Si.
5. Dr. Mufasirin, drh. M.Si.

Place of validity : Surabaya
Date of validity : June 34, 2014
Dean of Faculty of Veterinary Medicine

Romziah Sidik
NIP. 195312161978062001
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CHAPTER I
INTRODUCTION

Based on the Letter of Decision from the Minister of Education and Culture Republic Indonesia No. 055/D/1972 dated March 25, 1972 confirm that Faculty of Veterinary Medicine has been the sixth faculty in the Universitas Airlangga.

The management of Faculty of Veterinary Medicine Universitas Airlangga for the period 2010 – 2015 consists of:

Dean : Prof. Hj. Romziah Sidik, Drh., Ph.D.
Vice Dean I : Dr. Anwar Ma’ruf, Drh., M.Kes.
Vice Dean II : Prof. Dr. Pudji Srianoto, Drh., M.Kes.
Vice Dean III : Prof. Dr. Suwarno, Drh., M.Si.

Education Program in the Faculty of Veterinary Medicine Universitas Airlangga are as follows:

1. Education Program for graduate (S1)
   a. Education Program for the graduate (S1) in Veterinary Medicine (SKH)
   b. This program is managed by Prof. Hj. Romziah Sidik, Drh., Ph.D.

2. Profession Education Program
   a. Profession Education Program for Veterinarian (Drh.)
   b. This program is managed by Prof. Hj. Romziah Sidik, Drh., Ph.D.

3. Master Education Program (S2)
   a. Master Education Program for the Reproductive Biology Science (M.Si.)
      This program is managed by Prof. Dr. Wurlina, Drh., M.S.
   b. Master Education Program for Veterinary Public Health and Disease Science (M.Si.)
      Areas of interest in Microbiology – Parasitology
      Areas of interest in Veterinary Public Health
      This program is managed by Dr. Lucia Tri Suwanti, drh., M.P.
   c. Master Education Program for Veterinary Agribusiness (M.Vet.)
      This program is managed by Dr. Dady Soegianto Nazar, drh., M.Sc.
   d. Master Education Program in vaccinology and immunotherapy (M.Si.)
      This program is managed by Prof. Dr. Fedik A. Rantam, drh.

4. Doctorate Education Program (S3)
   Doctorate Education Program in Veterinary Science (Dr.)
   This program is managed by Dr. Widjiati, drh., M.Si.
CHAPTER II
EDUCATION ORGANIZING SYSTEM

1. VISION
To become a leading faculty in the level of national and international, pioneering in the development of education and research in Veterinary Medicine and animal husbandry that are self service and innovative based on morality, religion, ethic, environmental sustainability and animal welfare while still being oriented in public welfare.

2. MISSION
a. Organize academic education, profession and specialist in veterinary and animal husbandry field based on modern teaching technology that will produce graduates with the professional competence and has a great passion to develop the science, has entrepreneur will and also has a good moral, religion and ethics.
b. Organize the basic research, practical study and policy research to help developing knowledge, education and society service based on morality, religion, ethic, environmental sustainability and animal welfare.
c. Give all expertise in the field of veterinary medicine and animal husbandry for the public.
d. Create good relationship for both benefit with all institutions concerned for keeping the quality of the faculty which oriented to quality and the ability of national or international competition.

3. EDUCATION PURPOSE
a. The outcome from this education must be a high quality graduate, have a good moral and capable to operate and develop veterinary knowledge and create husbandry, able to compete in national or international level.
b. Have a good outcome in innovation research, capable to solve problems happened in the social community and suggest to veterinary knowledge and technology development in the field of veterinary and husbandry.
c. Have a good dedication to the public, able to increase community for identifying, formulating and solving the problems in the field of veterinary and husbandry with their own power continuously.
d. To realize the faculty autonomy which is adaptive, creative, proactive against the development requirement of knowledge, technology in the field of veterinary medicine and animal husbandry.
e. Develop the faculty to be entrepreneur oriented based on research which is the best in the world and also based on national proud, moral religion, ethic, the continuation of life environment and animal welfare.

4. ORGANIZATION STRUCTURE
Organization structure and names of the staff in Faculty of Veterinary Medicine Universitas Airlangga can be seen on page ix
They consist of 10 department as follows:

<table>
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<th>Head</th>
<th>Secretary</th>
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<td></td>
<td>: Dr. Soeharsono, Drh., M.Si.</td>
<td>: Dr. Widjiati, Drh., M.Si.</td>
</tr>
<tr>
<td>II.</td>
<td>Department of Veterinary Reproduction</td>
<td>Head</td>
<td>Secretary</td>
</tr>
<tr>
<td></td>
<td>: Dr. Abdul Samik, Drh., M.Si.</td>
<td>: Suzanita Utama, Drh., M.Phil., Ph.D.</td>
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### III. Department of Veterinary Public Health
- **Head**: Dr. Nenny Hariyani, Drh., M.Si.
- **Secretary**: Dr. Mustofa Helmi Effendi, Drh., DTAPH.

### IV. Department of Veterinary Pathology
- **Head**: Arimbi, Drh., M.Kes.
- **Secretary**: Dr. Hani Plumeriastuti, Drh., M.Kes

### V. Department of Veterinary Parasitology
- **Head**: Prof. Dr. Setiawan Koesdarto, Drh., M.Sc.
- **Secretary**: Dr. Lucia Tri Suwarni, Drh., MP.

### VI. Department of Veterinary Basic Medical Science
- **Head**: Dr. Iwan Sahrial Hamid, Drh., M.Si.
- **Secretary**: Ratna Damayanti, Drh., M.Kes.

### VII. Department of Veterinary Microbiology
- **Head**: Didik Handijatno, Drh., MS., Ph.D.
- **Secretary**: Sri Chusniati, Drh., M.Kes.

### VIII. Department of Animal Husbandry Science
- **Head**: Dr. Mimi Lamid, Drh., MP.
- **Secretary**: Sunaryo Hadi Warsito, Drh., MP.

### IX. Department of Veterinary Clinic
- **Head**: Ira Sari Yudaniayanti, Drh., MP.
- **Secretary**: Dr. M. Zainal Arifin, Drh., MS.

### X. Department of Bioproduct, Biosafety and Biosecurity
- **Head**: Emy Koestanti Sabdiningrum, Drh., M.Kes.
- **Secretary**: Muhammad Yunus, Drh., M.Kes., Ph.D.

### EDUCATION FACILITIES
Education operation in Faculty of Veterinary Medicine Universitas Airlangga has a building located in Campus C. This building has already been completed with fairly education tool and those are
- Class room
- Laboratory
- Room for Heads of Departments
- Lecturers room
- Meeting room Tanjung Adiwijana
- Library
- Room for student activities
- Room for student computer
- Administration room
- Aula in first and second floor.
- Wifi is available

### SUPPORTING EDUCATION FACILITIES
6.1. Teaching farm located in Tanjung. It is a village outside Gresik. This building consists of housing facilities for Veterinary staff, stable, laboratory, animal clinic, student boarding
house, administration office, garage, ware house for bio gas. We have egg and meat layer chicken, goat, sheep and cows. The function of this teachingfarm is preferably for the student of veterinarian profession education.

6.2 Teaching animal hospital is for all kinds of education for Veterinarian candidate or Veterinarian who is still in apprentice program and serve to all community to help their activities.

6.3 Experimental Animal Unit.
6.4 Molecular biology laboratory
6.5 Invitro laboratory
6.6 Poultry disease center
6.7 Canteen
6.8 Mini mosque
6.9 Frozen semen unit
6.10 Diagnostic laboratory
6.11 Gazebo
6.12 Sport fields
6.13 Parking area

7. EDUCATION PROGRAM AND SYSTEM

7.1 EDUCATION PROGRAM
This program accommodate learning experiences in the science, skills and attitude in a unity of education in Faculty of Veterinary Medicine Universitas Airlangga. Graduate education program (S1) is a study creating veterinary

7.2 EDUCATION SYSTEM
This program is executed with Semester Credit System. The education material and field practice given in the Faculty of Veterinary Medicine Universitas Airlangga have the comparison 60% : 40% for the graduate program S1

It is expected that the graduates coming from this Faculty of Veterinary Medicine have the ability and capability for solving problems in animal disease and developing husbandry.

7.2.1 The understanding of Semester Credit System
This is to inform that education operation system is a task for the student, the lecturer and the management of the education program are stated in the credit point (SKS) with the least time for stating the program duration of this education in a certain stage of education.

One semester is the duration of activity which consists of 16-19 lecture weeks or some other which already scheduled. It is included additional activities which needs 2-3 weeks for activities evaluation.

7.2.2 The general purpose for semester credit system
General purpose application of credit semester system in the Faculty of Veterinary Medicine Universitas Airlangga is to accommodate development requirement which are as follows:

7.2.2.1. To give opportunity to the smart and diligent students to finish their study in the least time possible.
7.2.2.2. To make easy in curriculum organizing from time to time as per the development of science and technology which is very fast nowadays.
7.2.2.3. To give the possibility progress evaluation system for the students can be executed to the best possible.
7.2.2.4. To give the opportunity for student transfer from one university to another or from one unit of science to another in a certain university.

7.2.3. Credit Value and Task of Study

7.2.3.1 The credit semester value

The value of credit semester unit is based on the activities which all need 3 kinds of activities every week during one semester as follows:

a. Student activities
   - An hour for scheduled face to face between the students and the lecture
   - It may be in the form of giving a lecture.
   - One hour for structured academic activity that is a study out of scheduled but planned by the lecturer. For example in the form of homework, doing some problems, response activity, or other assignment outside the class, or similar things.
   - One hour for self activity, that is student activity done by themselves to get more understanding, preparing or other purposes in academic assignment in the form of reading reference books.

b. Course activity
   - One hour for scheduled face to face with students
   - One hour for planning and evaluation of the structured academic activities
   - One hour for teaching material development through reading and writing

c. Seminar activities
   - Seminar activities is a seminar for discussing some issues which must be prepared by the students and serve in the forum of discussion. One semester credit point (SKS) is equal to structure academic activities without scheduled as many as 42 hours in one semester.

d. Group discussion activities, practicum, research, fieldwork thesis arrangement and final assignment.
   - The semester credit unit for learning activities in the form of discussion, practicum in the laboratory, research, fieldwork, thesis arrangement and final assignment or something that kind. Value of the credit semester is based on the following factor:
     Learning activity in the form of group discussion has value 1 credit semester unit (SKS) and equal to assignment activities as many as two hours per week during one semester
     Practicum activities, value 1 SKS is practicum assignment in the laboratory or in the practical room as many as 2 hours per week during one semester.
     Work in the work field, apprentice practice in Industry or Government Institution or the similarities has 1 credit point (semester credit unit, (SKS)) or as same as the assignment in the field as long as 4 hours per week during one semester or it is equal 80-90 hours totally in one semester.
     For the learning activities in the form of research and or final assignment arrangement, thesis and the similarities has the value 1 SKS and equal 3-4 hours a day during one month and one month is equal to 25 work days.

7.2.4 Learning Assignment in a Semester

Student learning assignment in one semester based on the average working time in a day and the ability of the individual. In general everybody works for 6-8 hours in 6 days continually. But students are required to work harder. They must work in day and night time as well. In the normal situation student can work 6-8 hours in day time and night time for 2 hours in 6 days continually. That means a student has 8-10 hours a day for his learning time or 48-60 hours in a week. That is why the value 1 SKS equal to 3 hours working so the student assignment in one semester is equal to 16-20 SKS or around 18 SKS. In deciding the student assignment in one semester, attention should be paid how
the student ability is. All of these can be looked at end of semester learning evaluation which usually can be seen in the grade point (IP) and the value can be counted as follows:

\[
\text{IP} = \frac{\text{Total (SKS value} \times \text{grade value})}{\text{Total SKS value}}
\]

- \(\text{IP} = \) Prestigious Index
- \(\text{K} = \) Credit Semester Unit taken from every lecture
- \(\text{N} = \) Quality score from every lecture
CHAPTER III
STUDY PROGRAM (S1) VETERINARY EDUCATION
FACULTY OF VETERINARY MEDICINE
UNIVERSITAS AIRLANGGA

1. EDUCATION SYSTEM OPERATION

   Division of Academic Year
   Every Academic Year is divided into 2 (two) Semesters
   Odd Semester (I, III, V, VII)
   September – February
   Even Semester (II, IV, VI, VIII)
   March – August

2. GRADUATE DEGREE

   Yudicium meeting must be executed at least every semester and the execution is not later
   than one month prior graduation. To the student who has already finished the thesis and
   also finishing the academic requirement may get Veterinary graduation degree after the
   yudicium meeting chaired by the Dean of Faculty of Veterinary Medicine Universitas
   Airlangga.

3. REGULATION FOR RESULT OF LEARNING EVALUATION

   3.1 Examination

      3.1.1 Purpose of examination arrangement
      1. Evaluate the progress of student learning after giving lectures if the students
         know what they are learning and mastered the course served.
      2. Evaluation of the above stated in letter grades, so that grouping of the students
         are based on their ability and those are A, AB, B, BC, C, D and E.

      3.1.2 Examination system and arrangement
      1. The new or repeat students with the grade E are allowed to take the
         examination in one course if they attend the lecture at least 75% and practicum
         100%. For the repeat student with the grade D, attend the lecture at least 50%
         face to face procedure (see the learning document).
      2. Examination may be formed as writing examination, practicum, structured
         assignment, questions and soft skill (see the learning document).
         The examination is in the form of:
         a. Quiz/preliminary examination, structured assignment is a must and frequency
            arrangement based on the course procedure and this examination must be
            executed before the end of semester examination (UAS).
         b. The practicum examination is executed when the course concerned has
            practicum. It includes practicum material and time of examination is based on
            the lecture.
         c. Middle of semester examination (UTS) is executed based on the schedule
            decided by the Faculty. The examination material includes material since the
            beginning of learning period up to the middle semester as mentioned.
         d. End of semester examination (UAS) is executed after the quiet week according
            to the academic calendar. The examination material includes material since
            the beginning of learning period up to the end of teaching with the composition
            25% before the middle of semester examination and 75% after the
            examination concerned.
3. For those students who cannot follow the examination may not be later than one day to report the faculty and bring the legal necessary document. If they fail to do that, their score will be zero (0) and also be calculated in the final evaluation (see the learning document)

4. Lecturers have to announce the result of quiz or pre examination and structured assignment in the form of raw score. The final score must be announced in the department and not later than 2 weeks after the examination is finished and reported to Sub Academic Division (see the learning document)

5. In this Semester Credit System and to improve the score, the students are allowed to take the same course concerned.

6. The Pancasila and Citizenship lecture, the Basic of Social Culture, Religion and Philosophy Science will be passed if the grade C, BC, B, AB, and A

7. The grade for certain course BC, C, D, and E is allowed to repeat and have to fill the Plan Study Card.

3.2 EVALUATION SYSTEM

3.2.1. Every examination will be given raw score from 0 – 100. Special for final score there are 7 scale grades, these are: A, AB, B, BC, C, D and E. (see the learning document)

3.2.2 The final score of a course is calculated from the total evaluation result which is arranged by the lecturer concerned.

Example for examination quality: quiz, structured assignment, practicum examination, soft skill from mid semester examination and end semester examination are 1.5 : 1.5 : 2 : 1 : 2 : 3

Example
Student X undertakes Parasitology and for each assessment component he gets as follow:

<table>
<thead>
<tr>
<th>Quiz</th>
<th>70</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTS</td>
<td>70</td>
</tr>
<tr>
<td>Assignment</td>
<td>65</td>
</tr>
<tr>
<td>UAS</td>
<td>75</td>
</tr>
<tr>
<td>Practicum examination</td>
<td>60</td>
</tr>
<tr>
<td>Softskill</td>
<td>80</td>
</tr>
</tbody>
</table>

The final score (it is still raw score) :

\[
\frac{(70 \times 1.5) + (65 \times 1.5) + (60 \times 2) + (70 \times 2) + (75 \times 3) + 80}{1.5 + 1.5 + 2 + 2 + 3 + 1} = 69.77
\]

3.2.3 Calculation of Final Score

The raw score must be changed to quality score from figures to words. Everything is processed using the references of evaluation as follows:

<table>
<thead>
<tr>
<th>Raw Score</th>
<th>Letter Grades</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>A</td>
</tr>
<tr>
<td>70 – 74.9</td>
<td>AB</td>
</tr>
<tr>
<td>65 – 69.9</td>
<td>B</td>
</tr>
<tr>
<td>60 – 64.9</td>
<td>BC</td>
</tr>
<tr>
<td>55 – 59.9</td>
<td>C</td>
</tr>
<tr>
<td>40 – 54.9</td>
<td>D</td>
</tr>
<tr>
<td>40</td>
<td>E</td>
</tr>
</tbody>
</table>
Score presentation from the result of processing score has 7 grades as follows

<table>
<thead>
<tr>
<th>Letter Grades</th>
<th>Quality score</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4</td>
</tr>
<tr>
<td>AB</td>
<td>3.5</td>
</tr>
<tr>
<td>B</td>
<td>3</td>
</tr>
<tr>
<td>BC</td>
<td>2.5</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
</tr>
<tr>
<td>E</td>
<td>0</td>
</tr>
</tbody>
</table>

Grade Point
Grade Point for the students are stated in Prestigious Index (IP) or average of quality score
Prestigious Index is calculated from total of SKS X quality score for every course divided by total SKS

\[
\text{IP} = \frac{\text{Total (K X N)}}{\text{Total K}}
\]

IP = Prestigious Index (grade point)
K = SKS taken from every lecture
N = Quality score from every lecture

The following is presented as an example.

<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Credit</th>
<th>Grade</th>
<th>Quality Score</th>
<th>C x QS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIF120</td>
<td>Veterinary Physiology</td>
<td>3</td>
<td>A</td>
<td>4</td>
<td>12</td>
</tr>
<tr>
<td>BIF121</td>
<td>Veterinary Physiology</td>
<td>1</td>
<td>C</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>BIA102</td>
<td>Veterinary Histology</td>
<td>2</td>
<td>BC</td>
<td>2.5</td>
<td>5</td>
</tr>
<tr>
<td>BIA201</td>
<td>Veterinary Anatomy</td>
<td>2</td>
<td>B</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>PPH101</td>
<td>Philosophy</td>
<td>2</td>
<td>AB</td>
<td>3.5</td>
<td>7</td>
</tr>
</tbody>
</table>

Total = 32

\[
\text{IP} = \frac{32}{11} = 2.9
\]

Prestigious Index will be given with predicate

<table>
<thead>
<tr>
<th>Quality Score</th>
<th>Prestigious Index</th>
<th>Predicate</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.51 - 4.00</td>
<td>(the least score B)</td>
<td>With compliment</td>
</tr>
<tr>
<td>2.76 - 3.50</td>
<td>(the least score C)</td>
<td>Very satisfactory</td>
</tr>
<tr>
<td>2.00 - 2.75</td>
<td>(the least score D)</td>
<td>Satisfactory</td>
</tr>
</tbody>
</table>

3.4 Study Evaluation
Achievement of study is stated in Prestigious Index (IP, grade point). Learning evaluation is executed every end of semester, in the first 2 years, the first 4 years and at the end of graduate program study. Limit of the graduate study is 7 years (see the learning document)

3.4.1 Evaluation of result semester study
It is executed in every end of semester and includes the course taken by the student during the new semester which is just finished. The evaluation result is stated with the calculation of the student IP in the semester which is already taken before. All of these will be used for deciding the total credit which is allowed for the next study with the requirement as follows

<table>
<thead>
<tr>
<th>Prestigious Index</th>
<th>Total credit allowed for next semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 3</td>
<td>Maximum 24sks</td>
</tr>
<tr>
<td>2.51 – 3.00</td>
<td>Maximum 20 sks</td>
</tr>
<tr>
<td>2.00 – 2.50</td>
<td>Maximum 18 sks</td>
</tr>
<tr>
<td>&lt; 2</td>
<td>Maximum 15 sks</td>
</tr>
</tbody>
</table>

Note:
The student may only take course not more than one even or odd semester above. As an example, a student is studying in semester IV now. He may only take courses offered for semester VI, and another student who is now in semester III may only take courses offered for semester V. These are not valid for Students who are now still in semester I or II

3.4.2 Result of Study Evaluation for the first 2 years
Within the first two years (end of semester IV), started from student enrolment at the Faculty of Veterinary Medicine Universitas Airlangga for the first time, an evaluation result of the mentioned student is executed for deciding if the student still allowed to continue or withdraw from his study in the Faculty of Veterinary Medicine. The student may be allowed to continue learning in the next semester if the following requirement is fulfilled.
- The student has taken up at least ½ total programmed SKS in the curriculum for the first 2 years and
- The student gets the IP equal or more than 2. If during this time the student is able to collect more than ½ of total programmed SKS so the evaluation will be taken ½ total SKS from the course with the highest score.

3.4.3 Four Years Study Result Evaluation
At the end of the forth year, started from student enrolment at the Faculty of Veterinary Medicine Universitas Airlangga for the first time, an evaluation result of the mentioned student is executed for deciding if the student still allowed to continue or withdraw from his study in the Faculty of Veterinary Medicine. This student may continue his study with the following requirements:
- He has already achieved at least ½ total programmed credit point (SKS) in the curriculum for the first 4 years and
- Have total IP equal or more than 2.00 and if during the first 4 years the student is able to collect more than ½ total programmed credit point (SKS), so the evaluation is taken ½ total credit point from the course with the highest score.
3.4.4 Study Result Evaluation
A student passed the Graduate Study Program (S1) Faculty of Veterinary Medicine Universitas Airlangga if:
- Have taken the whole courses programmed
- Have the cumulative IP equal or more than 2
- No grade E is available.
- No grade D more than 20% lectures programmed

The students have to withdraw from his study in the Faculty of Veterinary Medicine if they fail to fulfill the following requirements:
- Student does not pass the first 2 years evaluation
- Student does not pass final evaluation up to the time limit since the beginning he enrolled in the Faculty of Veterinary Medicine Universitas Airlangga

3.4.5 The study time limit evaluation
The student is given the opportunity for finishing the program of Veterinary Education for 8 semester and not later than 14 semester since passing from the Senior High School
- The student must withdraw from his study in the Faculty if he cannot finish Veterinary Education Program in 14 semesters.
- Decision for leaving the Faculty is based on the Letter of decision from the rector Universitas Airlangga.

3.5 Actual Work Lecture – learning together with the social community
Students have to follow actual work lecture that is learning together with social community which is arranged by the Education Directorate Universitas Airlangga and the evaluation system is based on SKS. The student is suggested to taking this program beginning semester V.

3.6 Proposal, Seminar and Thesis Examination
To get the graduate degree in the Veterinary Medicine the students have to pass 3 stages of procedure, those are proposal presentation, research result seminar and thesis examination.

3.6.1 Research Proposal Presentation
This is allowed to be performed by the students who already passed evaluation of study result for the first 2 years and already have supervisors (thesis/research advisors) for the thesis seminar. The research proposal presentation is chaired by the lecturer in charge who is appointed by the Dean of the Faculty of Veterinary Medicine or, Vice Dean I or whoever he is who has been appointed. The examiners of proposal research presentation are appointed by the Dean of the Faculty of Veterinary Medicine or, Vice Dean I or whoever he is who has been appointed. This presentation is legally valid when attended by at least 4 examiners that consist of 1 supervisor, and 3 examiners or 2 supervisors and minimum 2 examiners. The examiner in charge have to attend this presentation meeting. The decision of the result is based on the examiners meeting. The decision of the meeting above is an indicator of a research execution feasibility (see the thesis seminar document).

3.6.2 Result of Research Seminar
1. Every student in study program (S1) who passed the study result evaluation the first 2 years is allowed to organize seminar with the requirement as follows:
   - Have already performed research proposal presentation.
   - Get at least 142 SKS
- No grade E in previous semester
- Have attended actively in the previous seminar at least 10 times

2. The seminar is chaired by the person in charge appointed by the Dean of the Faculty of Veterinary Medicine or Vice Dean I or the appointed official. Seminar is valid if attended by 4 officials that consist of 1 supervisor and 3 examiners or 2 supervisors and at least 2 examiners. The official in charge and main supervisor has to attend the seminar. If the seminar examiner team failed to decide who is supposed to be passed then everything must be brought to the Dean or Vice Dean I.

3. The seminar passing score is decided by the minimum score got in the seminar. The minimum score is 55 or grade C. If minimum score is not achieved then the seminar must be repeated not later than 30 days after the previous seminar.

3.6.3 Thesis writing
Every student in the study program (S1) of Veterinary has to write thesis as a requirement for getting graduate degree of Veterinary (see the thesis seminar document)

1. A student is allowed to write thesis after having the following requirements as follows:
   - Have been passed the whole programmed lectures up to semester VII
   - Registered as a student in the Faculty of Veterinary Medicine Universitas Airlangga.
   - Minimum TOEFL score = 450
   - Have presented the proposal and seminar of research result presentation.

2. The selection of thesis title is fully up to the concerned student in agreement with the supervisors.

3. Students joint a research project from another lecturer have to fill agreement form, signed by at least 2 academic adviser who have this research project (see the thesis seminar document)

4. The thesis title must be adaptable with the following fact:
   - Interesting for the thesis writer
   - Supported by enough reference book.
   - It must be relevance with Veterinary fields, and or husbandry science.
   - Meet the requirement from the Faculty of Veterinary Medicine Universitas Airlangga
   - Not less than 25 pages on a quarto paper and double space

5. The main supervisor is a permanent lecturer in the field of thesis and has the position of Lector (IIIC) and minimum has master (S2) degree and the co-supervisor has the position of Lector (IIIC) and minimum has master degree or any officials appointed by the Dean of the Faculty of Veterinary Medicine and decide with the Letter of Decision from the Dean of the Faculty of Veterinary Medicine.

6. thesis can be written based on the following:
   - Research arranged by the students themselves and or joint the lecturer research with the agreement of both supervisors.
   - Field survey

7. The academic adviser has the full responsibilities against the validity of the thesis seminar arranged by the student who is the thesis writer.

8. The thesis seminar result is not valid if it is known that the thesis is deceitful and or plagiarism.

9. thesis and seminar writing have to follow the regulation in the guidance book for thesis writing edited by the Faculty of Veterinary Medicine Universitas Airlangga
3.6.4 **Thesis examination**

It is not later than 2 weeks after the execution of research result seminar the students have to follow the thesis examination by forwarding a letter of request to the Dean/Vice Dean of the Faculty of Veterinary Medicine Universitas Airlangga. Based on that request Dean or Vice Dean I of the Faculty of Veterinary Medicine will arrange committee which consists of (see the thesis document):

- 5 examiners, includes 2 supervisors
- The examination session is guided by the examiner in charge who is appointed by the Head of Academic Department with the agreement from Vice Dean I
- The examination session must be executed all together and suppose to be valid when attended at least by 4 examiner who consist of 1 or 2 supervisor and at least 2 examiners (the main supervisor and the examiner in charge have to attend this session)
- The material examination is coming from the thesis and other material which has close relationship with said one
- The passing of thesis examination is decided by the result in the examination session. The minimum score is 55 or C
- If the minimum score cannot be reached then repeat examination is necessary and it may not be later than 30 days after the previous examination
- If the examination session fail to decide who is supposed to pass, and so the final decision will be brought to the Dean or Vice Dean I of the Faculty of Veterinary Medicine.

3.7 **Prestigious Index and the Predicate**

At the end of education, it is executed evaluation score for the graduate of the Veterinary through the decision total prestigious index. To decide the passing predicate is as follows

1. Passing predicate consists of 3 stages. Those are satisfactory, very satisfactory and with compliment.
2. The cumulative prestigious index based on the decision for passing predicate.
   - Education program S1 Veterinary is as follows:
     - Grade point 2.00- 2.75 satisfaction
     - Grade point 2.76- 3.50 very satisfaction
     - Grade point 3.51- 4.00 with compliment
3. With compliment passing predicate is decided in relation to the maximum study period. For the graduate in the Veterinary is 4 years maximum
4. The passing predicate with compliment means that maximum study period should be paid attention. Graduate of Veterinary (S1) needs maximum 4 years.

3.8. **Academic Leave**

Academic leave is a student legally status permitted by Dean of the Faculty of Veterinary Medicine for not following academic activities during one semester.

3.8.2 Academic leave can only be given to students who has followed the education as long as 4 semester continually.

3.8.3. During the students go through the education, they may request for academic leave maximum 2 semesters but not in succession

3.8.4. During the academic leave students still have to be on registered status

3.8.5. The academic leave period is not calculated in learning period evaluation

3.9 **Student Transfer**
3.9.1 Students can be considered for moving to Faculty of Veterinary Medicine Universitas Airlangga (S1) as per the regulation of the Faculty of Veterinary Medicine and meet the requirement as follows:

1. The student must be from Government University and not from High Education Institution, Teaching High Education Institution and Institution of Religion.
2. Study program from Government University as mentioned in point (1) has the equal accreditation or higher.
3. The graduate program for moving student has already followed education in the origin university at least 4 semester continually and collected at least 48 credit point (SKS) with the cumulative grade point (IPK) minimum 2.50.
4. Study program in the origin university where they study must be the same with those in the Universitas Airlangga.
5. Never break the regulation in the origin university which must be proofed with the valid letter from the official university concerned.
6. Willing to obey all regulations in the Universitas Airlangga.

3.9.2. Student and credit transfer
This is decided based on the accredited university and the student.
3.9.3 The student transfer from and to Universitas Airlangga or from one study program to another in the Universitas Airlangga is executed through credit transfer.
3.9.4. Beside the recognized student credit, the condition of all faculties in the Universitas Airlangga also need to consider student transfer decision from one university to another or from other faculty in Universitas Airlangga.
3.9.5. Duration of study in the origin university have will be calculated for the maximum duration of study.

CURRICULUM AND COURSE SYLLABUS
Curriculum for study program (S1) Faculty of Veterinary Medicine Universitas Airlangga

<table>
<thead>
<tr>
<th>No</th>
<th>Courses</th>
<th>Study Load (c.p)</th>
<th>Competency</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Code</td>
<td>Subject</td>
<td>Lecture</td>
</tr>
<tr>
<td>Semester 1</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>AGI101</td>
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<tr>
<td></td>
<td>AGP101</td>
<td>Protestant Cristianity 1</td>
<td>0</td>
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<tr>
<td></td>
<td>AGK101</td>
<td>Catholic Cristianity 1</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>AGH101</td>
<td>Hinduism 1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>AGB101</td>
<td>Buddhism 1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>AGC101</td>
<td>Kong Hu Chu1</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>NOP101</td>
<td>Pancasila and Civic</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>SOB101</td>
<td>Basic Social and Cultural Study</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td>BAE120</td>
<td>English Language</td>
<td>2</td>
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<tr>
<td>5</td>
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<td>Veterinary Anatomy 1</td>
<td>2</td>
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<tr>
<td>6</td>
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<td>Veterinary Biochemistry 1</td>
<td>3</td>
</tr>
<tr>
<td>7</td>
<td>BIK102</td>
<td>Veterinary Biochemistry 2</td>
<td>0</td>
</tr>
<tr>
<td>8</td>
<td>BIP101</td>
<td>Veterinary Embriology</td>
<td>1</td>
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<tr>
<td>Semester 2</td>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit Hours</td>
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<td>-------------</td>
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<td>--------------</td>
</tr>
<tr>
<td>10</td>
<td>KHU101</td>
<td>Veterinary Physiology 1</td>
<td>3</td>
</tr>
<tr>
<td>11</td>
<td>KHU102</td>
<td>Veterinary Physiology 2</td>
<td>0</td>
</tr>
<tr>
<td>12</td>
<td>BIA201</td>
<td>Veterinary Anatomy 2</td>
<td>2</td>
</tr>
<tr>
<td>13</td>
<td>BIA102</td>
<td>Veterinary Histology 1</td>
<td>2</td>
</tr>
<tr>
<td>14</td>
<td>BIA104</td>
<td>Veterinary Histology 2</td>
<td>0</td>
</tr>
<tr>
<td>15</td>
<td>NUV101</td>
<td>Animal Food and Nutrition</td>
<td>2</td>
</tr>
<tr>
<td>16</td>
<td>PHH101</td>
<td>Philosophy of Science</td>
<td>2</td>
</tr>
<tr>
<td>17</td>
<td>KHR102</td>
<td>Ruminan Husbandry</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total:** 16 3 19

<table>
<thead>
<tr>
<th>Semester 3</th>
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<th>Course Title</th>
<th>Credit Hours</th>
<th>Type</th>
<th>Group</th>
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</thead>
<tbody>
<tr>
<td>18</td>
<td>BIA301</td>
<td>Vet. Anatomy 3</td>
<td>1</td>
<td>Core</td>
<td>MKK</td>
</tr>
<tr>
<td>19</td>
<td>FAT401</td>
<td>Vet. Pharmacology</td>
<td>2</td>
<td>Core</td>
<td>MKK</td>
</tr>
<tr>
<td>20</td>
<td>KHR103</td>
<td>Poultry and Non Ruminan Husbandry</td>
<td>1</td>
<td>Core</td>
<td>MKB</td>
</tr>
<tr>
<td>21</td>
<td>BIM105</td>
<td>Vet. Microbiology 1 (Bacteriology and Micology)</td>
<td>2</td>
<td>Core</td>
<td>MKK</td>
</tr>
<tr>
<td>22</td>
<td>BIM201</td>
<td>Vet. Microbiology 2 (Virology)</td>
<td>1</td>
<td>Core</td>
<td>MKK</td>
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<tr>
<td>23</td>
<td>BIM204</td>
<td>Veterinary Parasitology</td>
<td>1</td>
<td>Core</td>
<td>MKK</td>
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<tr>
<td>24</td>
<td>KHT301</td>
<td>Animal Food Technology</td>
<td>1</td>
<td>Supporting</td>
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<tr>
<td>25</td>
<td>BIG102</td>
<td>Animal Genetics</td>
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**Total:** 11 8 19

<table>
<thead>
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<th>Course Title</th>
<th>Credit Hours</th>
<th>Type</th>
<th>Group</th>
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</thead>
<tbody>
<tr>
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<td>FAT402</td>
<td>Vet. Pharmacotherapy and Toxicology</td>
<td>2</td>
<td>Core</td>
<td>MKK</td>
</tr>
<tr>
<td>27</td>
<td>KHD201</td>
<td>Infectious Diseases 1 (Bacterial and Mical Diseases)</td>
<td>2</td>
<td>Core</td>
<td>MKB</td>
</tr>
<tr>
<td>28</td>
<td>KHD202</td>
<td>Infectious Diseases 2 (Viral Diseases)</td>
<td>2</td>
<td>Core</td>
<td>MKB</td>
</tr>
<tr>
<td>29</td>
<td>KHU103</td>
<td>General Veterinary Pathology</td>
<td>2</td>
<td>Core</td>
<td>MKK</td>
</tr>
<tr>
<td>30</td>
<td>BIR201</td>
<td>Physiology &amp; Reprod. Technology 1</td>
<td>3</td>
<td>Core</td>
<td>MKB</td>
</tr>
<tr>
<td>31</td>
<td>BIR102</td>
<td>Physiology &amp; Reprod. Technology 2</td>
<td>0</td>
<td>Core</td>
<td>MKB</td>
</tr>
<tr>
<td>32</td>
<td>KHD205</td>
<td>Veterinary Parasitic</td>
<td>2</td>
<td>Core</td>
<td>MKB</td>
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<td>Semester 5</td>
<td></td>
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<tr>
<td>------------</td>
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<td>---------------</td>
<td>---</td>
<td>------------------</td>
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<tr>
<td></td>
<td>Diseases</td>
<td></td>
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<td>Intergrated Research Methodology 1</td>
<td></td>
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<td></td>
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<td></td>
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<td>6</td>
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</tr>
<tr>
<td>34 KHD401</td>
<td>Veterinary Clinical Diagnosis</td>
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<tr>
<td>36 FAF300</td>
<td>Veterinary Pharmacy</td>
<td>2</td>
<td>1</td>
<td>3</td>
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<tr>
<td>37 KHU104</td>
<td>Veterinary Systemic Pathology</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>Core</td>
</tr>
<tr>
<td>38 KMV301</td>
<td>Veterinary Public Health 1</td>
<td>2</td>
<td>0</td>
<td>3</td>
<td>Core</td>
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<tr>
<td>39 MNG401</td>
<td>Food Safety Assurance System (HACCP)</td>
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**Total Study Load:** 148 c.p

Total credit points (SKS) for graduate program S1 = 148 SKS

Explanation:
1. Basic of code system is group of science
2. Course code consists of 6 digits, that is the first 3 digit is words and the 3 last digit consists of figures. No space is necessary.
3. The first 2 digits are capital letters. This is an abbreviation of science group name in bahasa Indonesia. Example: Agama (Religion) = AG  Biology = BI
4. The third digit is one capital letter and an abbreviation of science group. The conclusion is the first 3 digits (digit 1,2,3) are capital words and those are abbreviations of science group and the branches, Example: KHB = bedah (surgery) KHC = Komunitas (community) KHE = epidemic (epidemic) etc.
5. The fourth digit symbolize the level of graduation
   - The number 1 – 4 is for graduate level (S1) (Graduate Education Program)
   - The number 1 for lower division course
   - The number 2 for upper division course I
   - The number 3 for upper division course II
   - The number 4 graduate level course
   - The number 5 for Profession Education Program
   - The number 6 and 7 is for Master and Specialist Program
   - The number 8 and 9 is for Doctor Education Program.

6. The fifth digit is a branch number sub Science Group (0 – 9)

7. The sixth digit is a series number of course in the sub science group. The number in this
   group is arranged according to level of competence. It begins from the lowest level up
   to the higher level or based on the series of lecture module (0 – 9). If there is no more,
   so the fifth and sixth digit a series number of course in the sub science group. It is
   between 00 - 99

8. The graduate last program course or activities in the field, the fourth and fifth digit are
   given with number 49. Example group for research lecture (the code = P):

   Research Methodology PNX496
   Proposal PNX497
   Seminar PNX498
   thesis PNX499

COURSE SYLLABUS STUDY PROGRAM (S1) FACULTY OF VETERINARY
MEDICINE UNIVERSITAS AIRLANGGA

RELIGION 2/0 sks
ISLAM (AG1601)
Preface of Islam, AqidahIslamiyah and pray in Islam

CATHOLIC CHRISTIANITY (AGK101)
Show and analyze with rationality the basic of Catholic faith

PROTESTANT CHRISTIANITY (AGP101)
Religion understanding : God confirmation, Life in faith, the Old and New Testament
Bible for life

HINDUISM (AGH101)
Knowledge and History : Sradha, Ethic, Yaina, KapitaSelekta and Wedha

BUDHISM (AGB191)
Understanding, comprehension and application the first principle of Pancasila that is
believe in God, Dharma and religion service to get higher spirit in keeping the life
continuity for the religion, nation and country.

CONFUCIANISM (AGC101)

PANCASILA AND THE CITIZENSHIP (NOP101) 2/0 sks
Understanding of Indonesia perception, National Defense, national political strategy
especially in national security defense to get more spirit and awareness in keeping and
guarantee of life continuity for the country and nation.

ENGLISH (BAE120)  
Increase the student ability in reading and understanding book or text in English

BASIC OF SOCIAL AND CULTURAL STUDY (SOB101)  
Studying human being in relation with culture, science, technology and art. Human being and their individual, development and social movement in diversity and equality.

VETERINARY ANATOMY I (BIA101), VETERINARY ANATOMY II (BIA201), VETERINARY ANATOMY III (NIA301)  
Discussing anatomy terms, structure and moving tool function, neurology anatomy, endocrine gland, sense organs, skin and the derivate. It is also discussed topography anatomy and application.

VETERINARY BIOCHEMISTRY I (BIK101), VETERINARY BIOCHEMISTRY II (BIK102)  
Discussing bio molecule, food digestion, bio energy, enzyme, protein metabolism, vitamin, mineral and nucleate acid

EMBRIOLOGY (BIP101)  
Discussing beginning concept of organism development, anatomy and reproduction physiology tool, spermatozoa genesis, cogenesis, fertilization, organism development, accessories tool, physiology and pathology development and the up to date research on embryo.

INTRODUCTION TO VETERINARY SCIENCE (KHR101)  
It is to explain the domestic animal process, building up husbandry, useful of animal, Some kinds of the productive animal, animal exterior sign which has high production, Method of predicting age, weight of the body, livestock carcasses animal and productive livestock behaviour

VETERINARY PHYSIOLOGY I (KHU101), VETERINARY PHYSIOLOGY II (KHU102)  
Discussing the basic cell function and homeostasis, nerve system. Perception, muscle and locomotive system, endocrine system, circulation system, respiration system, digestive system, metabolism thermoregulation, urology system and reproduction system.

VETERINARY HISTOLOGY I (BIA102), VETERINARY HISTOLOGY II (NIA104)  
Discussing histology definition, staining method, analysis technique structure and cell function and net component, organ and body organ system, and also discussing the basic understanding of organization, structure and lymphatic function system and immune, digestive system, urology system, respiration system, reproduction system, endocrine organ and perception tools.

ANIMAL FEED AND NUTRITION SCIENCE (NUV101)  
Discussing basic of nutrition, fate of nutrition in the body (digestive and metabolism), animal food material, and method of animal food arrangement.
SCIENCE PHILOSOPHY (PHH101)  2/0 sks
It is to study about science philosophy, the knowledge, the basic knowledge, science method, mathematic language and statistic and science in moral perspective, social and politic.

RUMINANT LIVESTOCK SCIENCE (KHR102)  1/1 sks
Discussing about beef and milk animal taking care management especially for beef cow milk cow, sheep, goat, buffalo and deer

VETERINARY PHARMACOLOGY (FAT401)  2/1 sks
Discussing about pharmacology, pharmacology dynamic, drugs interaction, indication, and side effect for drugs which is working for SSP, SSO, analgesic antipyretic, heart failure drug, diuretic, hormone, antibiotic and chemotherapeutical, drug for metabolism and haemostatic impairments.

POULTRY AND NON-RUMINANT SCIENCE (KHR103)  1/1 sks
Discussing management of taking care some kinds of animal non ruminansia which consists of race chicken (egg and meat layer), Buras chicken, pig and any kinds of animal that is quail bird, pigeon and rabbit.

VETERINARY MICROBIOLOGY I (BIM105)  2/1 sks (Bacteriology and Mycology)
Discussing basic of life bacteria, function and leavened and the character in some animal decease and human being. This description includes history, structure form and function development and control, metabolism and genetic, the pathogenesis sign, bacteria and function and the benefit of bacteria in the field of veterinary.

VETERINARY MICROBIOLOGY II (BIM201)  2/1 sks
Virology
To identify the virus includes character, pathogenesis, lab diagnosis method perfectly and in the write ways.

PARASITOLOGY (BIM201)  1/1 sks
Discussing classification, morphology, and cycle of some kinds protozoa parasite, helminthes and anthropoid the important thing is observed from the economic and health side.

ANIMAL FEED TECHNOLOGY (KHT301)  1/2 sks
Discussing sources of animal food material which originally is from agriculture and husbandry, food material from animal, factory, husbandry, the green waste, field shepherd suitable for animal food and processing technology and waste preservation for animal food.

ANIMAL GENETIC (BIG102)  2/0 sks
Discussing genetically science application for the animals, using genetically terms, method of animal character descending, concept of heredity theory and infinity, Mendel theory, genetically population up to the genetically application for some kinds animals.

PHARMACOTHERAPY AND VETERINARY TOXICOLOGY (FAT402)  2/1 sks
Discussing about the influence of medicine according to organ system, poison and
poisoned in relation of medicine used for the animals

INFECTIOUS DISEASE I (KHD201) 2/1 sks
(Bacterial and Micological Disease)
Discussing infectious disease which is in socio economy and politic manner is important (strategic disease) in Indonesia and international animal health with the discussion of etiology, clinical sign and pathology, anatomy, pathogenesis diagnosis, epidemiology, prevention, control and remove

INFECTIOUS DISEASE II (KHD202) 2/1 sks
(Viral disease)
Discussing many kinds of disease on ruminansia or non ruminansia and poultry caused by virus, the spread and decease pathogenesis in relation with the handling disease prevention and control.

GENERAL VETERINARY PATHOLOGY (KHU103) 2/1 sks
Discussing pathology understanding, cell pathology, process cell/net abnormalities development and tumor, circulation movement system, swelling process and the body reaction.

PHYSIOLOGY AND TECHNOLOGY OF REPRODUCTION I (BIR201) 2/1 sks
PHYSIOLOGY AND TECHNOLOGY OF REPRODUCTION II (BIR102) 0/1 sks
Discussing the function of reproduction organ physiology, male and female animal endocrinology and reproduction technology for increasing reproduction efficiency and preservation.

PARASITIC DISEASE (KHD205) 2/1 sks
Discussing the parasitic decease on animals caused by protozoa, arthropod and helminthes which include clinical sign, pathogenesis, the losses, diagnosis and control

INTEGRATED RESEARCH METHODOLOGY I (PNH496) 2/0 sks
INTEGRATED RESEARCH METHODOLOGY II (PNH497) 2/0 sks
Studying the basics of every step background and process which is normally done in a research activities.

VETERINARY CLINICAL DIAGNOSIS (KHD401) 2/1 sks
Discussing the method of animal physical systemic beginning from amnesia, investigation, general check up and body investigation system

POULTRY HEALTH MANAGEMENT (KHD303) 2/0 sks
Discussing knowledge of poultry management in relation with the decease prevention, decease caused by micro organism or management fault as well

VETERINARY PHARMACY SCIENCE (FAF300) 2/1 sks
Discussing drug and recovery philosophy, something about drug, doses, preparation, method and time for giving medicine, parameter for the patient which influence drug and prescription which select the medicine It is to be appropriate in selecting the drug, doses and must be made according
the need of the patient. The prescription has to be rational and perfect according to perfection rules.

**SYSTEMIC VETERINARY PATHOLOGY (KHU104)** 2/1 sks
Discussing skin organ and locomotion, radio vascular organ, respiration organ system, digestive organ system, euro genital and nerve structure.

**VETERINARY PUBLIC HEALTH I** (KMV301) 2/0 sks
**VETERINARY PUBLIC HEALTH II** (KMV302) 1/1 sks
Discussing the basic knowledge about health society science, society gaze environment sanitation, and veterinary character in the society health.

**HACCP** (Food safety assurance system) (MNG401) 2/0 sks
Discussing the dangers in food material, control the danger principles, programming, execution and HACCP supervision and able to organize working program of quality guarantee (RKJM)

**SCIENCE OF AQUATIC ANIMAL DISEASE** (KHD304) 1/1 sks
Discussing fish decease caused by mold bacteria, virus, parasite or caused by environment changing and method of the decease prevention.

**ENTREPRENEURSHIP** (MNW101) 2/0 sks
Understanding and mastering in entrepreneurship in the field of veterinary

**SCIENCE OF VETERINARY GENERAL SURGERY (KHB401)** 1/1 sks
Discussing surgery preparation in general, restrain/casting, wound recovery hemorrhage and homeostatic, sewing, bandage, surgery introduction, infectious and non infectious, veterinary anesthesia.

**VETERINARY EXTENSION** (KLV301) 2/0 sks
Discussing information function, some characters of human being which is relevant for doing information, level of information and information program arrangement.

**VETERINARY LEGISLATION** (HKD102) 2/0 sks
Discussing act and regulation, policy, norms for protection, benefit and husbandry development, animal health and traffic of quarantine.

**VETERINARY INTERNAL DISEASE I** (KKHD301) 1/1 sks
**VETERINARY INTERNAL DISEASE II** (KKHD402) 2/1 sks
Decide the diagnosis some kinds of decease on big and small animal (pet) and giving medicine alternative, and the prevention.

**ZOONOSIS** (KHD302) 2/1 sks
Studying viral zoon sis, ricketier, clam dial, bacteria, mica, and parasite especially has to pay attention on what is happening and the decease sign on human being and animals, infectious source, method of spread out and method of control and prevention.

**VETERINARY RADIOLOGY** (FIN401) 1/1 sks
Introducing how to use radiology equipment and method of diagnoses decision against
abnormalities on the animals through radiology investigation.

**IMMUNOLOGY (BII101)**

Discussed the basic of body immunology system which include organ, cell, stoking, compliment and antigen reaction and antibody against infectious and non infectious disease.

**ENVIRONMENTAL HEALTH (LKM405)**

Discussing veterinary function in protecting and increasing society health through animal with activities in relation with veterinary.

**VETERINARY SPECIAL SURGERY (KHB402)**

Studying techniques as per the system, on and /after operation, plastic or cosmetic, operation, digestive access, euro genital, orthopedic on big or small animals.

**VETERINARY CLINICAL PATHOLOGY (KHU401)**

Discussing investigation technique and interpretation of the analysis result hematology, and blood chemistry clinic, urine, faces, the other body liquid, clinical microbiology, clinical toxicology. This is for using clinical diagnoses.

**VETERINARY OBSTETRICS AND INFERTILITY I (KHO401)**

Studying about process, diagnoses and expecting pathology, baby delivery and the complication, sterile aspect (infertility and sterilization) and reproduction health handling.

**VETERINARY OBSTETRICS AND INFERTILITY II (KHO402)**

Studying about process, diagnoses and expecting pathology, baby delivery and the complication, sterile aspect (infertility and sterilization) and reproduction health handling.

**VETERINARY EPIDEMIOLOGY AND ECONOMY (KME417)**

Discussing coverage of the basic epidemiology concept, diagnostic tests, sampling, epidemiologic study, epidemic and endemic disease investigation, field try out, observational investigation, evaluation, animal decease control, the early warning system, risk analysis, modeling introduction and veterinary economy.

**MANAGEMENT OF EXPERIMENTAL ANIMAL (MNH401)**

Discussing cultivate maintenance technique and other things in relation with laboratory animal health, so that we have animal meet the requirement for being experimental animals. The animal selection for medical research and experimental techniques.

**HEALTH MANAGEMENT OF DAIRY COW (MNS401)**

Discussing maintenance technique, cultivation and others in relation with cow milk health.

**WILD ANIMAL (LKM106)**

Discussing wild animal life in general with some observations especially about conservation, behaviour, management, development with support of wild animal health in the zoo area or in wild animal conservation as well.

**VETERINARY ACUPUNCTURE (PKA401)**

Discussing basic of acupuncture technique and the application on the animal for increasing the potency of production, reproduction and health.
HORSE, DOG AND CAT MANAGEMENT (MNS492)  
Explaining about the management of rearing horse, dog and cat. The stable arrangement have to consider the horse and pet quality and show quality in considering the animal behavior and pet morphology which is very possible to be commercial animal and their welfare should be paid attention at.

VETERINARY FORENSIC (KUH401)  
Discussion necropsy method for all kinds of animal, differentiate animal organ and recognize the organ changing which is having pathology and able to diagnose the disease based on those changing.

BIOPRODUCT, BIOSAFETY AND BIOSECURITY  
Explaining about the understanding of bioproduct, kind of it (vaccines, sera and stem cells, inoculant, probiotic, enzyme and fermentation product), production process forbioproducts, the understanding of biological safety. The Indonesian biological diversity, Technique of biological safety, the act regulation in relation with material biological safety (MTA etc) method of identification biological material as agent for agro-bioterrorism, biosecurity in the laboratory3 level, biosecurity on the level for inter district, biosecurity on the country defense aspect.
ADMINISTRATION OF SEMESTER CREDIT SYSTEM

ADMINISTRATION OPERATION
The academic administration operation is implemented by Academic Sub Division under the coordination of Vice Dean I of the Faculty of Veterinary Medicine Universitas Airlangga.

1. KRS Filling Preparation
KRS Filling Preparation is an activity which is realized by the student for deciding the course taken in the transpiring semester and this stage is always done in every semester in online system.

2. KRS
For those students accepted through SNMPTN, SBMPTN and Self Service line may be realized after finishing the register administration and pay the single course payment.
KRS have to be realized by the new or old students. Documents needed in this stage are as follows:
Guidance Book for Education Realization,
List of academic adviser and students’ name
Filling guidance and cards completely and those are as follows:
- Study plan card (KRS)
- Study result card
- List of lecture, practicum and sks load
- Study plan change card (KPRS)

3. Filling of Study Plan Card
At the time the student begins with studying process in current semester, they must have Guidance Book for Education Realization in the Faculty of Veterinary Medicine Universitas Airlangga, MP-IK, One set of Study Plan card (KRS). A student have to see the academic adviser to get advice in deciding on how many sks loading can be taken and the suggested course suitable for the concerned student.

After filling the KRS through online and get the agreement from the academic adviser and put the signature on the Study Plan Card (KRS). Then the KRS which already filled have to be given to the Sub Academic Division Faculty of Veterinary Medicine Universitas Airlangga. After finishing all these process the student will receive 2 cards, one is for himself and the other must be given to the academic adviser.

If the student fails to give the KRS on the scheduled time, the student is not allowed to follow any curricular activities.
Change of study plan have to be realized not later than a week after the studying process begins and have to be agreed by the academic adviser with procedure of filling the cards as before.

4. Filling Instruction for Study Plan Change
Students who want to change the KRS have to be got agreement from the academic adviser then report to sub-academic division for filling the study plan change card.
After filling the card and signed by the academic Advisor, this Change Card (KPRS) have to be given again to Sub Academic Division. The student will also receive 2 sets of agreed cards signed by the official in the Sub Academic Division. One card is for the Student academic adviser and the other is for the student concerned.

5. Examination and the result
Two weeks after end of semester examination (UAS) the lecturer responsible for the concerned course have to announce the final score through cyber campus. The final score written in the list of scores is composed from scores reached in the quiz/assignment/practicum/soft skill/middle of semester examination/and end of semester examination (see Chapter III examination evaluation). Scores of the UAS have to be given to Sub Academic Division as per the documents. All of these have to be written in the Study Result Card and made in 4 copies. One is for the student concerned, one is for the academic advisor, one is for archive in the Sub Academic Division, and the last one is for the student’s parent. Filling of the grade point (Prestigious Index, IP) is done by the Sub Academic Division and to be given to the academic Adviser concerned.

6. Student Attendance in Studying Process
   6.1 The student attendance in the studying process is arranged in a list of attendance for every course in a semester.
   6.2 In any subject taken by the student, he must sign the attendance list (DHP) which has already been prepared.
   6.3 If the students fail to follow the lecture, he must submit a letter of explanation and not later than one week after the course is finished. If it is late to report then it will be calculated in total signature found in attendance list at the end of semester.
   6.4 The new and repeated student with grade E is allowed to follow examination in a course if he has attended the lecture at least 75% and practicum 100%, For those who is repeated student with grade D and have attended the lectures at least 50% in face to face test.

7. The Academic Adviser Task
   To smoothen the teaching and education management it needs a academic adviser with the tasks as follows:
   7.1 Inspect the requirement completeness of the student under the lecture’s control to be able to follow the study program in a current semester.
   7.2 Direct and help the student in filling the Study Plan Card (KRS) and Prestige PlanCard and give consideration to the students regarding the courses which may be taken for the next semester.
   7.3 Suggest consideration about the sks load which may be taken by the student as per his grade point (IP) at the end of previous semester.
   7.4 Special for students in semester I and II is supposed to take all programmed courses in semester concerned.
   7.5 Save every KRS and KRP which already filled by your guided student and KHS and KHP every end of semester.
   7.6 Following your guided student development so you know as early as possible when they have some problems in their study.
   7.7 Giving consultation to your guided student when it is needed especially for those who have problem in finishing their study.
   7.8 The above tasks in this regulation will be decided in the near future. To bring those tasks out as well as possible the academic adviser must do something as follows:
      a. Recognize method of implementation in teaching and education as per the sks
      b. Recognize and obey the regulation issued for smoothing the implementation of teaching and education.
      c. Prepare enough time for doing consultation actively with your guided students.
      d. Sign the book of guided academic report at least 3 times in every semester.

8. Regulation for the process of Studying, Practicum and Examination
In order to get good condition in the process of teaching and learning as per or purposes, so that it needs regulation have to be made

8.1 General Regulation
a. The student must behave respectable to others that is include the other student, the lecturer, the lecturer assistance and the academic cavities or whoever they are in developing good relationship in this campus.
b. The students have to obey all regulations arranged by their study program.

8.2 Regulation for Process of Study and Practicum
As long as following the study and practicum, all students have to obey the followings:
  a. Behave respectable to Lecturer or the lecturer assistance concerned.
  b. Dressing clean, elegant, respective and reasonable
  c. No smoking in the class or when talking to the lecturer or lecturer assistance
  d. No leaving the class is allowed when the study or practicum is still in process or otherwise permitted by the lecturer or lecturer assistance
  e. No activate hand phone is allowed during the study or practicum is still in process

Breach against this regulation as per point a – c may cause the student concerned got academic sanction

1. In following quiz/structured assignment / practicum / UTS / UAS arranged the students have to obey this regulation as follows:
   a. Have a place and room which is all ready prepared.
   b. Bring the valid student card and writing tools during the examination is in process.
   c. Note books must be on the place which is prepared by the supervisor
   d. Students sign the prepared list of attendance

2. During the examination is in process all students are not allowed to:
   a. Talk to other examination taker student
   b. See or take working paper or concept paper from other student
   c. Open the note book in any forms
   d. Do other things which is categorized the same as point (b) and (c)
   e. Do something which may be interference other examination taker.
   f. Activate hand phone during the examination in process is not allowed

3. All examination follower attended this examination have to submit document and answer sheets

4. Those students who takes the examination for the interest of other student, both of them will got sanction for 2 semesters and all scores in the semester concerned are to be cancelled.

5. Students who cannot follow the examination have to submit a letter of explanation and the valid reason. All of these will be considered whether they can follow the remedial examination. This must be executed one week after the scheduled examination is finished

6. Breach done by the students may cause they have to get out from the examination room

9. Academic Calendar
In general, academic calendar consists of:
  f. Beginning of odd semester September
  g. Beginning of even semester March
  h. Practicum/lecture 13 weeks
<table>
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<th>Event</th>
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<tr>
<td>i.</td>
<td>Registration/reregistration</td>
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<td>j.</td>
<td>Filling KRS</td>
<td>1 week</td>
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k. | Holiday substitute                 | 1 week     |
l. | Quiet week during the examination | 1 week     |
m. | Middle of semester examination    | 2 weeks    |
n. | End of semester examination       | 2 weeks    |
o. | Idul Fitri Holiday                 | 1 week     |
p. | Holiday between semester           | 4 weeks    |
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<th>No.</th>
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<tr>
<td>2</td>
<td>Veterinary Reproduction</td>
<td>Dr. Abdul Samik, Drh., M.Si.&lt;br&gt;Suzanita Utama, Drh., M.Phil., Ph.D.&lt;br&gt;Prof. Mas'ud Hariadi, Drh., M.Phil., Ph.D.&lt;br&gt;Prof. Dr. Ismudiono, Drh., MS.&lt;br&gt;Prof. Dr. Laba Mahaputra, Drh., M.Sc.&lt;br&gt;Prof. Dr. Pudji Sianto, Drh., M.Kes.&lt;br&gt;Prof. Dr. Imam Mustofa, Drh., M.Kes.&lt;br&gt;Prof. Dr. Wurlina, Drh., MS.&lt;br&gt;Dr. Suherni Susilowati, Drh., M.Kes.&lt;br&gt;Dr. Hardijanto, Drh., MS.&lt;br&gt;Dr. Sri Pantja Madyawati, Drh., M.Si.&lt;br&gt;Dr. Erma Safitti, Drh., M.Si.&lt;br&gt;Prof. Dr. Herry Agoes Hermadi, Drh., M.Si.&lt;br&gt;Indah Norma Triana, Drh., M.Si.&lt;br&gt;Hermin Ratnani, Drh., M.Kes.&lt;br&gt;Dr. Rimayanti, Drh., M.Kes.&lt;br&gt;Dr. Budi Utomo, Drh., M.Si.&lt;br&gt;Dr. Sri Mulyati, Drh., M.Kes.&lt;br&gt;Dr. Tjuk Imam Restiadi, Drh., M.Si.&lt;br&gt;Dr. Trilas Sardjito, Drh., M.Si.&lt;br&gt;Dr. Tatik Hernawati, Drh., M.Si.&lt;br&gt;Dr. Tri Wahyu Suprayogi, Drh., M.Si.&lt;br&gt;Husni Anwar, Drh.</td>
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<td>Veterinary Pathology</td>
<td>Dhandy Kusumo Wardhana, Drh., M.Si.</td>
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<td>Roesno Darsono, Drh., M.Vet.</td>
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<td>5</td>
<td>Veterinary Parasitology</td>
<td>Prof. Dr. Setiawan Koesdarto, Drh., M.Sc.</td>
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<td>Prof. Dr. Lucia Tri Suwanti, Drh., MP.</td>
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<td>Agus Sunarso, Drh., M.Sc.</td>
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<td>6</td>
<td>Veterinary Basic Medical Science</td>
<td>Dr. Iwan Sahrial Hamid, Drh., M.Kes.</td>
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<td>Ratna Damayanti, Drh., M.Kes.</td>
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<td>7</td>
<td>Veterinary Clinic</td>
<td>Ira Sari Yudaniasyanti, Drh., MP</td>
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<td>Dr. M. Zainal Arifin, Drh., MS.</td>
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<td>Handajani Tjitro, Drh., MS.</td>
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| 8 | Veterinary Microbiology | Lianny Nangoi, Drh., M.Kes.  
Dr. E. Djoko Poetranto, Drh., MS.  
Prof. Dr. Bambang Sektiari L., Drh., DEA.  
Dr. Wiwik Misaco Yuniarti, Drh., M Kes.  
Boedi Setiawan, Drh., MP.  
Nusdianto Triakoso, Drh., MP.  
Hardany Primarizky, Drh., MVM.  
Tri Bhawono Dadi, drh., M.Vet.  
Didik Handijatno, Drh., MS., Ph.D.  
Sri Chusniati, Drh., M.Kes.  
Prof. Dr. Fedik A. Rantam, Drh.  
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Nanik Sianita Widjaja, Drh., SU.  
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Adi Prijo Rahardjo, Drh., M.Si.  
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Suryanie Sarudji, Drh., M.Kes.  
Wiwiek Tyasningsih, Drh., M.Kes.  
Yulianna Puspitasari, Drh., M.VSc. |
| 9 | Animal Husbandry Science | Dr. Mirni Lamid, Drh., MP.  
Sunaryo Hadi Warsito, drh., MP.  
Prof. Dr. Koesnoto Soeprianondo, Drh., MS.  
Prof. Hj. Romziah Sidik, Drh., Ph.D.  
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Dr. Dady Soegianto Nazar, Drh., M.Sc.  
Tri Nurhajati, Drh., MS.  
Dr. Mohammad Anam Al Arif, Drh., MP.  
Dr. Widya Paramita L., Drh., MP.  
Oky Setyo Widodo, Drh., M.Si. |
| 10 | Bioproduct, Biosafety and Biosecurity | Emy Koestanti Sabdiningrum, Drh., M.Kes.  
M. Yunus, Drh., M.Kes., Ph.D. |