



**FACULTY OF ANIMAL SCIENCE**  
**UNIVERSITAS GADJAH MADA**  
**YOGYAKARTA-INDONESIA**



# **ACADEMIC GUIDEBOOK**

## **STUDY PROGRAM OF DOCTOR IN ANIMAL SCIENCE**

**ENGLISH VERSION 2021**

# FOREWORD

*Assalamu'alaikum Warrohmatullahi Wabarakatuh*

Warm Greetings!

Faculty of Animal Science UGM has deliberately set its vision and mission for 2017 to 2020, *"becoming the nation's reference institution for animal husbandry and the best ASEAN's higher education and research institution in animal science"*.

In order to transform that vision-mission into reality, Faculty of Animal Science UGM is fully aware of the necessity to put partnership, hardworks, smartworks, and focus into an engine that harnesses all internal resources, as well as exploits various external potentials. For that regard, Study Program of Doctoral in Animal Science has to be regarded as one of highly-prioritized study programs to receive full support to be able to reinforce its significant roles. Thus, all academic and research activities can advance prominently to produce high-qualified and competitive graduates in ASEAN regions.

Many ways have been taken by board of executives of Faculty of Animal Science to accelerate the development of Study Program of Doctor in Animal Science, with a goal of advancement. Refinement and improvement in the field of administration, facilities and infrastructures, and student service, as well as widening the research opportunities by establishing partnerships with industry sectors have all been continuously implemented. In the last few years, the students advising and monitoring mechanisms are also subjected to evaluation and improvement, by emphasizing the goal to help students in achieving on-time study completion.

This academic guidebooks is arranged to facilitate students in acquiring academic rules, administrative procedures, curriculum, course syllabus, and a brief faculty members' profiles.

We hope this academic guidebook can benefit readers, most specifically current students and prospective students of Study Program of Doctor in Animal Science, Faculty of Animal Science UGM.

*Wassalamu'alaikum Warrohmatullahi Wabarakatuh*

Yogyakarta, Januari 2021  
Dean  
Faculty of Animal Science

Prof. Dr. Ir. Ali Agus, DAA., DEA., IPU., ASEAN Eng.

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# INTRODUCTION

## A. Address

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Website : <http://pasca.fapet.ugm.ac.id>

## B. Background

Doctoral degree is the highest formal education that a university may organize. Universitas Gadjah Mada graduated its first Doctoral graduate in 1950. Ever since, the form and implementation of education has been progressively changing toward refinement.

After the stratification process of undergraduate, master, and doctoral study programs in Universitas Gadjah Mada, the doctoral study programs were integrated into Graduate School of UGM. According to Decree of Minister of Education and Culture No. 212/U/1999, Decree of Minister of National Education No. 232/U/2000, and Government Rules of Republic Indonesia No. 153/2000, the doctoral programs were required to include lecture activity and dissertation writing in their curriculums. Hence, in addition to the pre-existing doctoral study program, The Study Program of Doctor in Animal Science opened its structured doctoral program. The implementation of structured form of doctoral program was hoped to enhance the education quality and shorten the study completion period. Furthermore, the curriculum development of doctoral program in Faculty of Animal Science were carried out based on these following rules and regulations: Permenristekdikti No. 44 year 2015 on National Standard of Higher Education, Permenristekdikti No. 62 year 2016 on Quality Assurance System for Higher Education, Permenristekdikti No. 32 year 2016 on Accreditation for Study Program and Higher Education Institution, PP No. 4 year 2014 on Implementation and Management of Higher Education, and President's Rule No. 8 year 2012 on Indonesian National Qualification Framework.

Animal husbandry sector is closely related to the development of human capital in Indonesia as it supplies nutrient-rich food from animal products, more specifically protein. The availability of animal-based food can help in rationing the carbohydrate consumptions. Therefore, Study Program of Doctor in Animal Science presents its key programs that include:

1. Exploration of genetic potential of Indonesian local livestock, development and improvement of their productivity.
2. Evaluation on potential, utilization, and development of livestock feed production in Indonesia.
3. Implementation of technology and biotechnology aspects to improve diversification, quality, and safety of animal-based food products.
4. Planning and evaluation of animal husbandry industry and the capacity of human capital supporting it.

Study Program of Doctor in Animal Science Faculty of Animal Science UGM is supported by 56 faculty members who all have attained doctoral degree from respected universities in

Indonesia (UGM and IPB) and abroad, such as United States, Australia, United Kingdom, Germany, Netherlands, Japan, Malaysia, and Phillipines, France, Thailand, and South Korea. Among all, 20 faculty members are active professors, while 2 other faculty members are emeritus professors. To continue improving the quality of its graduates, Study Program of Doctor in Animal Science under Faculty of Animal Science and UGM have been establishing research collaboration with other universities and international research institutes, namely University of Aberdeen UK, Macaulay Land Use Research Institute di Scotland UK, Gifu University Japan, Maejo University Thailand, UPM Malaysia, UPLB Philipina, Kangwon National University (KNU) Korea Selatan, and International Atomic Energy Agency (IAEA). In addition, Faculty of Animal Science UGM has appointed Prof. Dr. Abdul Razak Alimon, M.Sc. from UPM Malaysia as Honorary Professor. Study Program of Doctor in Animal Science also collobarates with industry sectors and appoints Ir. Fery Purnama, M.Sc., Ph.D. as guest lecturer.

Laboratories within Faculty of Animal Science are integratively supported by laboratories and facilities within the university, such as *Laboratorium Penelitian dan Pengembangan Terpadu* (LPPT – Integrated Research and Development Laboratory), *Unit Pemeliharaan Hewan Percobaan* (UPHP – Unit of Experemintal Animal), *Kebun Pendidikan* (Garden of Education), *Pusat Inovasi Agroteknologi* (PIAT – Center for Agrotechnology Innovation) UGM, and other laboratory partners which are crucial to support doctoral research. Moreover, scientific literature and references in form of textbook and journals are available in the faculty library, graduate school library, university library, and others libraries within UGM. The high-speed internet access is also available to facilitate students in accessing the latest science and technological developments.

Universitas Gadjah Mada is one of of universities that had doctoral degree since its foundation in 1949. Its first doctroral graduate in agricultural sciences graduated in 1958. After since, the implementation of doctoral study programs in UGM has been changing time to time. In 1978, *Lembaga Pendidikan Doktor* (LPD – Institution of Doctoral Education) was found and in charge for the implementation of graduate programs (master and doctoral) in UGM according to Decree of President Republic of Indonesia No. 53 year 1982.

The doctoral study programs were then implemented under auspices of Graduate Program of UGM, following the issuance of Decree of Minister of Education and Culture Republic of Indonesia No. 053/U/1993 on Implementation of Doctoral Education in University. In 1993, UGM was granted a permission to implement master and doctoral program with the issuance of Decree of Directorate General of Higher Education, Department of Education and Culture Republic of Indonesia No. 690/DIKTI/Kep/1993. List of doctoral programs on the decree included agricultural sciences, engineering, medicine, mathematics and natural sciences, humanities, and social sciences. Doctoral study programs in agricultural sciences consisted of 11 study programs, i.e. agronomy, agriculture economics, phytopathology, pest science, plant breeding science, soil science, food science, agriculture engineering, animal science, veterinary science, and forestry.

The organization of doctoral study programs in agricultural sciences are now referring to the Decree of Minister of Education and Culture Republic of Indonesia No. 212/U/1999 on Implementation of Doctoral Program, Decree of Minister of National Education Republic of Indonesia No. 232/U/2000 on Guideline for Formulation of Higher Education Curriculum, and Rule of Rector UGM No. 11 year 2017 on Graduate Degree Education.



The organization of graduate program in animal science has become as monodiscipline study programs implemented by Faculty of Animal Science UGM since 9 March 2006 following the issuance of Decree of Rector UGM No. 89/P/SK/HT/2006.

### C. Vision

As an education institution that produces graduates with international recognition in the development of science and technology in animal science, who display science integrity, dignity, nobility, and compassion towards problems faced by society and surroundings.

### D. Mission

1. Administer internationally-standardized doctoral program to produce graduates who have high morality and qualification in order to educate and develop the nation.
2. Administer research that features local wisdoms in the development of science and technology in animal science.
3. Engaged in community service to develop innovation required by society.
4. Develop organization in supporting education, research, and community service activities, implemented based on transparency, accountability, and sustainable management.

### E. Objectives

1. Driven by *Pancasila values*; demonstrating science integrity; quickly responding to scientific, technological, and art development, as well as to problems faced by society.
2. Mastering theoretical, conceptual, and paradigm approach and demonstrating technical ability and skill required for adaptation and/or the creation novel method for conducting study obeying the rules.
3. Being able to develop new science, technology, and or art in the field of animal science through research, thus, creating creative, original, specific, and proven works.
4. Being able to resolve scientific, technological, and or art in the field of animal science through inter- multi- or transdisciplinary approaches.
5. Being able to manage, lead, and expand research and development benefitting science and society, and able to acquire national and international recognition.

### F. Program Education Objectives

Study program has a set of Program Education Objectives (PEO) as follows:

1. Graduates who have the spirit of Pancasila, scientific integrity, are responsible for the development of science, technology, and art as well as the issues in the society.
2. Graduates who master the approach of theory, concept, and paradigm, have the capability and technical competency required for adapting or creating new methods for studying rules obediently.

3. Graduates who are able to develop new knowledge, technology, and art in animal science by conducting research and producing creative, original, specific and tested outcomes.
4. Graduates who can solve scientific issues, technology and art in animal science through the interdisciplinary, multidisciplinary or transdisciplinary approach.
5. Graduates who are able to manage, lead and develop research that can be useful for science and humanity and acknowledged in national and international level.
6. Graduates who are able to adapt and develop the latest science and technology in the world of work.

## **G. Expected Learning Outcomes**

The Expected Learning Outcomes (ELO) of Study Program of Doktor in Animal Science are as follow:

### **A. Attitudes and behaviors**

1. Be long life learning with basic character as religious attitudes, humanity, nationalism, tolerance, moderate, respecting in cultural diversity based on National Five Principle of Pancasila
2. Be accountable for professional practices that consist of accepting sue for any professional decision and action according to their area's scope and according to the law/regulations.

### **B. Mastery in Science**

1. Able to master scientific philosophy and develop new science and technology in animal science is useful, competitive, and environmentally sound research with a multidisciplinary approach.
2. Able to develop new science and technology concepts to solve problems in the field of animal husbandry through research with multidisciplinary and transdisciplinary approaches

### **C. Special skills**

1. Able to develop science and technology through creative, original, and novelty research.
2. Able to independently design and carry out inter-, multi-, and transdisciplinary research for the development of animal husbandry science and technology.
3. Able to manage, lead and develop research in the field of animal husbandry, as well as communicate the results and get recognition at the national and international levels for the benefit of humankind.

### **D. General skills**

1. Able to find or develop new theories/concepts/ideas and contribute to the development and practice of science and/or technology by producing scientific research based on scientific methodology, logical, critical, systematic, and creative thinking through interdisciplinary, multidisciplinary, or transdisciplinary approaches, pay attention to and apply human values in their field of expertise

2. Able to develop a research roadmap to compile scientific, technological, or artistic arguments and solutions based on a critical view of facts, concepts, principles, or theories with an interdisciplinary, multidisciplinary, or transdisciplinary approach, based on a study of the main objectives of the research and their constellation on broader targets
3. Able to communicate the result of reasoning and scientific research in the form of dissertation and scientific writing responsibly based on academic ethics.

## H. Organization Structure

### Faculty Board of Executive Periode 2016 – 2021

#### Faculty Management Period 2017 - 2022



Prof. Dr. Ir. Ali Agus, DAA, DEA, IPU., ASEAN Eng,  
Dean



Prof. Ir. Budi Guntoro, S.Pt., M.Sc., Ph.D., IPU.,  
ASEAN Eng.

Vice Dean for Academic and Student Affairs



Ir. Bambang Suwignyo, S.Pt., M.Sc., Ph.D., IPM.,  
ASEAN Eng.

Vice Dean for Research, Community Services,  
and Cooperation



Prof. Ir. I Gede Suparta Budisatria, M.Sc.,  
Ph.D. IPU., ASEAN Eng.

Vice Dean for Finance, Assets, and  
Development

### Study Program Management 2021 - 2026



Prof. Ir. Yuny Erwanto, S.Pt., M.P., Ph.D., IPM.

Head of Study Program



# ADMISSION REQUIREMENTS AND PROCEDURE

## A. Admission requirements

All prospective students have to meet all these following prescribed requirements:

1. Graduated from undergraduate study program with high achievement, meet all requirements, and awarded with *Program Magister menuju Doktor Sarjana Unggul* (PMDSU) scholarship program by Ministry of Research and Technology and Higher Education (Decree of Dean No. 4682/J01.25/SK/2016).
2. Graduated from master study program or equivalent from accredited study program in animal science or related fields.
3. Had good GPA from previous education, which can be further defined as follow:
  - a. minimum of 3,00 for A-accredited study program or;
  - b. minimum of 3,25 for B-accredited study program or;
  - c. minimum of 3,50 for C-accredited study program or;
4. Has good academic potential, proven with valid score report of one of these following tests:
  - a. *tes Potensi Akademik* (TPA – Academic Potential Test) minimum score of 500; or
  - b. *tes Potensi Akademik Pascasarjana* (PAPs – Graduate Academic Potential Test) minimum score of 500; or
  - c. other equivalent tests approved by university.
5. Demonstrated good English proficiency, proven with valid score report of one of these following English proficiency tests:
  - a. *Academic English Proficiency Test* (AcEPT) minimum score of 209; or
  - b. *International English Language Testing System* (IELTS) minimum score of 5.0; or
  - c. *Institutional Testing Program* (ITP) *Test of English as a Foreign Language* (TOEFL), minimum score of 450; or
  - d. TOEFL internet-based (TOEFL iBT), minimum score of 45; or
  - e. *Test of English Proficiency* (TOEP) minimum score of 40.

## B. Application Procedure

Applicants submit their applications online on official website of <http://um.ugm.ac.id> by supplying/uploading applicant's forms as follow:

1. Providing all information required on applicant's document/form which contains:
  - a. A confidential recommendation from two persons who know applicant well, i.e. academic advisor from previous study program, previous academic supervisor, and/or others such as job supervisor or employer;
  - b. study objective containing:
    - i. research plan;
    - ii. names of supervisor whom applicants have contacted (if applicable);
    - iii. strong background and reason in pursuing a doctoral study program.
2. Providing these following documents along with applicant's form:
  - a. Published scientific paper (if applicable);
  - b. Letter of permission to pursue doctoral degree from employer (for applicants who are currently working);
  - c. Health and drugs-free certificates.

# STUDY PROCESS AND EVALUATION

## A. Study Load

1. Students who enter the study program with master degree in the same field: 46 – 50 credits in total.  $\geq 12$  credits of theoretical courses ( $\geq 50\%$  of doctoral-level courses and  $\leq 50\%$  of master-level courses) and 34 credits of dissertation.
2. Students who enter the study program with non linear master degree: 46 – 50 credits in total. 24 credits of theoretical courses (including matriculation courses) - ( $\geq 40\%$  of doctoral-level courses and  $\leq 60\%$  of master-level courses) and 34 credits of dissertation.
3. All courses can be taken inter-, intra- disciplinary between study programs, either within or outside the university, with approval from Promotor.
4. 34 credits of dissertation includes research proposal, seminar, dissertation defense, and scientific publication.
5. At least one scientific publication of the student's doctoral research project, which has been accepted by internationally-indexed journals. The list of journals are updated periodically by university. Student has no academic misconduct.

## B. Dissertation Advisor

The appointment of student advisor team (promotor team) is decided by study program management and faculty board of executives by considering the expertise of faculty members and student's proposal. Promotor team consist of 3 members: 1 Promotor and 2 Co-promotors. Promotor has to hold a doctoral degree, and at least as associate professor. Co-promotor has to hold a doctoral degree, and at least as assistant professor or equivalent. Promotor team can be from Faculty of Animal Science UGM, other faculties within UGM, or other universities or research institution or industry outside UGM. Requirements for promotor teams are summarized below:

### 1. Advisor from Faculty of Animal Science UGM

- a. Has to hold doctoral degree and at least as an associate professor, while for co-promotor has to hold doctoral degree and at least as an assistant professor.
- b. Both promotor and co-promotors are expert in the field which students proposed as their dissertation topic.
- c. Number of active student in advising is not more than 6 students, either as promotor or co-promotor.

### 2. Advisor from other faculties within UGM

- a. Has to hold doctoral degree and at least as an associate professor, while for co-promotor has to hold doctoral degree and at least as an assistant professor.
- b. Number of active student in advising is not more than 2 students, either for promotor or co-promotor.
- c. Has a mutual connection with the student and Faculty of Animal Science UGM, as follow:
  - Students conduct their research at the Faculty where the advisor is assigned to, and/or
  - Research topic is suggested by advisor,

- Advisors have specific competence that cannot be obtained from faculty members at Faculty of Animal Science UGM.

### **3. Advisors from university, institution, and industry outside UGM**

- a. Advisors from institution outside UGM only can be co-promotor.
- b. Co-promotor has to hold a doctoral degree.
- c. Co-promotors are expert in the field which students proposed as their dissertation topic.
- d. Maximum number of students in advising is 2 students.
- e. Has a strong connection with the student and Faculty of Animal Science UGM, as follow:
  - Students carries out research in the co-promotor's research/industry institution outside UGM.
  - Research topic is suggested by co-promotor,
  - Co-promotors have specific competence that cannot be obtained from faculty members at Faculty of Animal Science UGM.

## **C. Student Advising**

1. Students are mandated to be actively engaged to obtain routine necessary advice from promotor team.
2. After passing all theoretical courses, students are mandated to arrange dissertation research proposal within 2 years under advisory of their promotor.
3. To allow advising process can take place smoothly, students are required to be present at university during their period of study. Students who need to be outside university for research purpose have to acquire permission from promotor.
4. Students are required to file a study progress report which has been approved by their promotor to Study Program in each semester.
5. Promotor team routinely provide students with advising session, including for research proposal writing, comprehensive exam preparation, research, dissertation writing, and dissertation defense preparation.

## **D. Examiner Team**

Examiner team are proposed by students and/or advisor and decided by study program management and faculty board of executive. Examiner team consist of three faculty members in the relevant field with the dissertation topic, at least as assistant professor, hold doctoral degree, and approved by Dean. Examiner team are responsible to assess research proposal until comprehensive examination. Three members of examiner team are then act as evaluator team to assess the dissertation appropriateness after students have completed writing the dissertation and obtained approval from promotor team for their dissertation.

## **E. Changes in Advisor/Examiner/Evaluator Team**

Changes for advisor (promotor and/or co-promotor), examiner, and evaluator team can be done if advisor/examiner/evaluator are permanently unable to take their responsibility due to illness, nation's duty, or no longer demonstrate their necessary competence, thus hinder the study progress of students.

New advisor/examiner/evaluator is determined by study program management and faculty board of executive by considering faculty member's field of expertise and student's proposal.

## F. Course

Students are required to take courses (lectures) prescribed on their study load. Courses are organized as 14-time sessions in one semester. Courses are typically delivered in form of classroom meeting and assignments, such as scientific journal discussion, paper writing, and presentation.

## G. Semester Examination

Semester examination are organized to assess student's competence on each course they take in the corresponding semester. Semester examination can be categorized into 2 examination: midterm and final exam, which are arranged as follow:

1. Midterm examinations are organized on the 8<sup>th</sup> week of each semester.
2. Final examinations are organized one week after the end of all courses in each semester.

## H. Dissertation

Student can start their dissertation after they have taken at least 12 credits of courses. Dissertation project consists of research proposal writing and seminar, comprehensive examination, research and dissertation writing, research result seminar, dissertation defence, and publication on reputable international journal.

### 1. Research Proposal Writing and Seminar

Student can start writing research proposal once have taken number of required courses. The arrangement of research proposal is based on the Guideline for Research Proposal and Dissertation Writing, and serves as the guideline for students to conduct the research. Research proposal is required to be presented in form of seminar to gather all necessary input for the dissertation project. Furthermore, the seminars provides students a great opportunity to develop and refine their communication skills.

### 2. Comprehensive Examination

Student can take comprehensive examination after has presented their research proposal on a seminar and made necessary revision according to inputs gathered from examiner and seminar participants. The components of comprehensive examination is presented on the table below:

No	Criterion	Weight
1	Mastery on research methodology in the corresponding field of study	30%
2	Master of knowledge in the corresponding field of study, either in the basic and specialized knowledge	30%
3	Logical thinking, including ability to form abstraction	20%
4	Ability in ideas systematization and formulation	20%

1. Comprehensive examination is taken prior the start of doctoral research.
2. Mechanism of comprehensive examination are described below:
  - a. Student can take comprehensive examination after completing at least 12 credits of courses with minimum GPA of 3.25.

- b. Comprehensive examination involves comprehensive examiner team, which consist of team chair and team members. Dean or other executives serve as the team chair, while members consist of promotor team and 3 examiners who are experts in the corresponding field of study, with doctoral degree and at least as Assistant Professor – all are appointed by Dean. Three comprehensive examiners will then be in charge as evaluator team who evaluate the dissertation appropriateness, after appointed by Dean.
- c. The comprehensive examination is delivered in oral format for 120 minutes session. In case of one of advisors and/or examiners are unable to attend, the examination can still take place.
- d. Result is in form of “passed” or “not passed”.
- e. Students who do not pass comprehensive examination can take re-examination only for one time, and it has to be taken within 6 months after the first exam took place. The re-examination is scheduled according to Dean and Promotor Team. Student who do not pass re-examination is not allowed to continue his/her study.
- f. The result of examination is determined by examiner team, and announced to the student at the end of the examination.
- g. The status of student who passed the comprehensive examination and has made revision on his/her research proposal accordingly will be changed as “doctor candidate”.

### **3. Research and Dissertation Writing**

Doctoral research is executed according to research proposal. For outside-campus research, student has to acquire advisors’ approval and permission letter. Following are research requirements:

- 1. Can be started once student has passed comprehensive examination.
- 2. At the end of each semester, student is required to submit a written report of research progress to head of study program.
- 3. Students are required to present their research results in 2 seminars. The times are arranged by study program.
- 4. The research progress is evaluated timely on each semester by requiring students to submit research progress report at the end of each semester and has to be approved by Promotor Team.

### **4. Research Result Seminar**

Research result seminar gives students opportunity to present their research result as part of scientific responsibility. The seminar also enables students to receive input and feedback from promotor, examiner, and participants that may be used to generate good scientific report. Students are required to have 2 research result seminars.

### **5. Publication**

Students have to publish their research in one of prescribed journals, with these following terms:

- 1. Students/graduates are required to include their promotor/advisor and co-promotor as co-author in the publication of their doctoral research.
- 2. Students are required to include examiner who provide significant contribution as co-author in the publication of doctoral research, with a full approval from advisor/promotor.

3. Students/graduates are required to list the promotor as corresponding author.
4. At least one publication from dissertation project has been accepted by one of internationally-indexed journals prescribed by University and has no scientific misconduct.
5. In the case of requirement in point number 4 can not be met within 1 (one) year since the end of study period, requirement for publication can be substituted with 2 (two) internationally-indexed proceedings prescribed by University or on nationally-accredited journal.

## **6. Dissertation Examination**

Dissertation is scientific report, a result of in-depth research conducted by doctoral candidate under supervision of promotor and co-promotor. Dissertation contains:

- a. Novel findings for scientific development,
- b. New finding to answer scientific questions that already had existing answer.
- c. Generating new questions for well-established scientific and technological development.

Dissertation is written following these rules:

- a. Written in Indonesian or English, with approval from promotor team,
- b. Written by following the format and rules prescribed in the guideline of dissertation writing.

## **7. Dissertation Assessment**

Dissertation assessment evaluates the execution of doctoral research project and dissertation writing:

1. Evaluation on dissertation appropriateness for dissertation that has been approved by promotor team is performed by evaluator team.
2. Dissertation assessment is done by evaluator team, consist of 3 members whom one of them is in charge both as chief and member of evaluator team.
3. Members of evaluator team are faculty member who:
  - a. has expertise in the same/strongly-related field of study of the dissertation,
  - b. is a tenure in Universitas Gadjah Mada,
  - c. holds doctoral degree and at least as assistant professor,
  - d. is willing to take the responsibility as evaluator team for certain period of time.
4. Dissertation is assessed based on: content, logical thinking, methodology, writing aspect, and cohesiveness.
5. Assessment and revision process:
  - a. At least within one month since the dissertation draft received, evaluator team set up a meeting to assess and analyze the dissertation by inviting promotor team to provide required information.
  - b. The evaluator team present the assessment result of dissertation draft in written form to promotor team. The report is supplemented with recommendation (if applicable) to refine the draft.
  - c. Revision can be done within 6 month period of time.
  - d. If one member of promotor and/or evaluator team are unable to attend the dissertation evaluation meeting, the evaluation process still can take place.

## **8. Appropriateness of Dissertation Defence**

- a. Dean/Director set an assembly to assess the appropriateness of dissertation defence, attended by Dean/Director, Head of Study Program, Evaluator Team, and Promotor



Team. The assembly determine: appropriateness of dissertation defence, examiner team, and date of the dissertation defence.

- b. Evaluator team consist of Dean/Director (as team chair), promotor team, 3 members of evaluator team, and 2 members of additional examiner. All hold doctoral degree or as Professor.
- c. Head of Study Program can replace Dean/Director whom unable to attend in the thesis defence.
- d. Additional examiners are appointed by Dean/Director by considering recommendation from promotor and evaluator team. One additional external examiner from institution outside Universitas Gadjah Mada must be included in team if promotor and evaluator team does not have one member outside from Universitas Gadjah Mada.
- e. 3 copies of dissertation are submitted to Graduate Program Office at least 14 days prior the thesis defence. The copies are then distributed to examiner team.

## **9. Dissertation Defence (Closed)**

Students are required to take dissertation defence (closed) with these following requirements:

- 1. Students hold a minimum course GPA of 3.25.
- 2. The defence must include at least 1 (one) external examiner.
- 3. Dissertation defence (closed) is chaired by Dean/other executives or professor who does not belong to promotor team.
- 4. The dissertation defence lasts for 150 minutes, including 30 minutes of presentation by students.
- 5. Assessment on dissertation defence:
  - a. Mastery of content.
  - b. Logical thinking or argument synthesis to form idea/conclusion.
  - c. Writing structure and cohesiveness.
- 6. Result of thesis defence is delivered as “passed without revision”, “passed with revision”, or “did not pass”, with point ranging from 0 (zero) to 4 (four).
- 7. For students who passed dissertation defence with revision, the maximum revision time is 3 months since the defence.
- 8. For students who did not pass the dissertation defence, students are given 1 (one) chance to take another dissertation defence within 1 (year) period of time. Dissertation is revised accordingly to examiners’ feedback. Examiner team decide the schedule of dissertation re-defence once student has obtained approval for the revised dissertation from examiner team.
- 9. The average point of thesis defence on “passed without revision” and “passed with revision” is  $\geq 3.25$ .
- 10. Students who passed with revision has to submit the revised dissertation which has been approved by examiner team within 3 months period of time. If failed to do so, students are required to take dissertation defence again.
- 11. If one member of promotor and/or examiner team are unable to attend, thesis defence can still take place.

## 10. *Ujian Terbuka* (Open Exam)

Students who passed dissertation defence (closed) has 2 options: participating in graduation ceremony or requesting for *ujian terbuka*. The *ujian terbuka* is regulated by these following requirements:

1. The option is only given to students who passed dissertation defence with course GPA and dissertation defence GPA more than 3.50.
2. Request for *ujian terbuka* is proposed by examiner team and approved by Head of Study Program.
3. Head of Study Program is also able to propose for *ujian terbuka* to honor significant contribution that a dissertation may bring for scientific development and institution by considering recommendation from examiner team.
4. Execution of *ujian terbuka* is the responsibility of Study Program.
5. Examiner team in the closed dissertation defence serve as the examiner team in *ujian terbuka*.
6. If students passed the dissertation defence (closed) with revision, they have to acquire a written approval from examiner team.
7. Revised dissertation have to be distributed to examiner team by 14 days prior *ujian terbuka*.
8. The schedule for *ujian terbuka* is decided by Dean with examiner team's consultation.
9. *Ujian terbuka* lasts for 60 minutes.
10. The result of *ujian terbuka* is included in determining graduation predicate.
11. After *ujian terbuka*, examiner team set an yudisium assembly to determine student's graduation predicate by including course GPA, seminar point, dissertation writing, dissertation defence (closed), publication, and *ujian terbuka* in the determination process.
12. If one member of promotor and/or examiner team are unable to attend, *ujian terbuka* still can take place.

## 11. Dissertation Assessment

Dissertation is weighed as accumulation of all components in dissertation, which is explained in the table below.

No	Components	Credits
1	Research proposal writing and seminar	4 credits
2	Comprehensive examination	3 credits
3	Research execution and dissertation writing	16 credits
4	Research result seminars	2 credits
5	Dissertation defence	4 credits
6	Publication (1 publication in reputable scopus-indexed journal, or 2 publication in scopus-indexed proceeding)	5 credits
Total credits		34 credits

## I. Dissertation Template and Plagiarism

- Students are mandated to follow prescribed template for proposal, seminar, and dissertation.
- All submitted proposal, seminar, and dissertation are required to have been approved by promotor and co-promotor.
- All submitted proposal, seminar, and dissertation are required to have been verified by promotor and co-promotor that their contents are free from plagiarism.

## J. Yudisium

1. Yudisium assembly is organized to determine the graduation and graduation honor of students based on all combined GPA.
2. Yudisium assembly is organized for students who passed dissertation defence and will participate in the graduation ceremony.
3. Yudisium assembly for students who will take *ujian terbuka* is organized by examiner team whom appointed by Dean after students passed the *ujian terbuka*.

## K. Graduation Evaluation

Student who has taken number of credits as prescribed in the curriculum is declared to graduate from study program of doctor in animal science if meets these following requirements:

1. Has minimum GPA of 3.25;
2. Has no D and/or E marks;
3. Has passed dissertation defence;
4. Has submitted dissertation which has been approved by Dean;
5. Has at least 1 (one) scientific publication from his/her dissertation project accepted in internationally-indexed journals prescribed by University;
6. Has been declared graduated from the program in the yudisium assembly.

## L. Academic Distinction

Academic distinction is determined by comprehensive evaluation that reflects academic performance of a student during his/her study in the program:

1. *Cumlaude* (with honor), if GPA is more than 3.75, with 8 semesters of maximum length of study.
2. *Sangat Memuaskan* (very satisfactory), if GPA is  $\geq 3.51$  and  $\leq 3.75$ , or more than 3.75, with 8 semesters of maximum length of study.
3. *Memuaskan* (satisfactory), if GPA is  $\geq 3.25$  and  $< 3.51$ .

## M. Length of Study

The length of study is 6 (six) semesters to 10 (ten) semesters, started from date of enrollment to yudisum.

## N. Academic Leave of absence

Academic leave of absence can be granted by Dean after student has passed comprehensive examination, for a period of time no more than 2 x 1 semester. The period of academic leave of absence is not included in the calculation of length of study.

## O. Length of Study

Additional length of study is granted to student who has progressed in their study since the issuance of letter of notice – 3 (dissertation defence). Additional length of study is granted for 2 (two) semester at maximum by considering the study progress student made.

## P. Consultation, Study Progress Report, and Study Completion Plan

Students are mandated to record date and content of academic consultation in the consultation form when they have academic consultation with their promotor/co-promotor. Study progress report contains progress students has made until the last semester. Both consultation form and study progress report are submitted to academic unit of graduate program at the end of each semester. Study Completion Plan contains description of study plan for incoming semester and submitted to academic unit of graduate program along with credits plan (KRS) at the beginning of each semester.

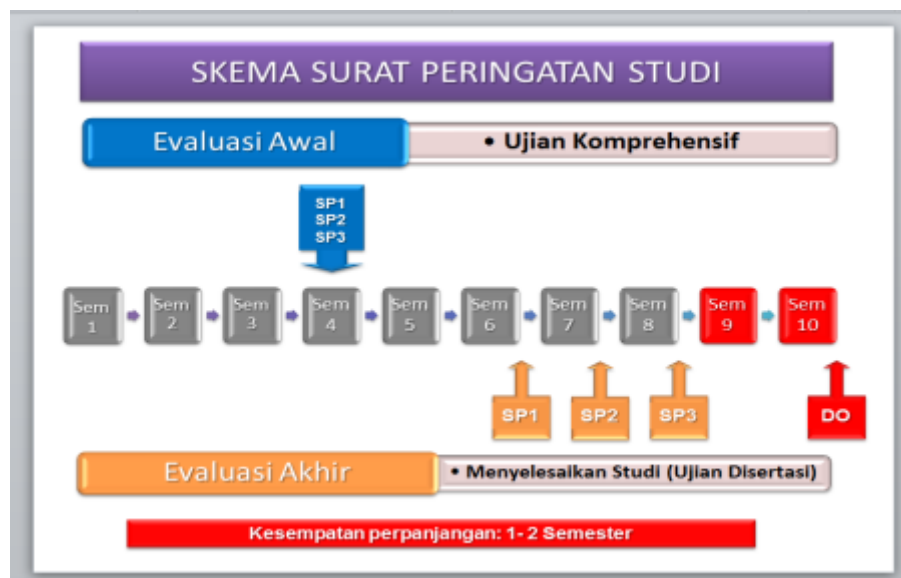
# STUDY EVALUATION

## A. Study Evaluation (Initial Stage)

1. Students who until the end of 3<sup>rd</sup> (third) semester has not passed comprehensive exam is granted with 1 (one) additional semester to pass comprehensive exam.
2. During additional length of study, students will receive letter of notice – 1, 2, and 3.
3. If withing 1 (one) additional semester students are unable to pass comprehensive exam, students are not allowed to continue their study and declared as resigned or drop-out.

## B. Study Evaluation (Final Stage)

1. Students who until the end of 6<sup>th</sup> (sixth) semester has not completed their studies with 3.25 of minimum GPA and has no scientific paper of their dissertation project accepted in the scopus-indexed journal, will receive letter of notice – 1.
2. Students who until the end of 7<sup>th</sup> (seventh) semester has not completed their studies with 3.25 of minimum GPA and has no scientific paper of their dissertation project accepted in the scopus-indexed journal, will receive letter of notice – 2.
3. Students who until the end of 8<sup>th</sup> (eight) semester has not completed their studies with 3.25 of minimum GPA and has no scientific paper of their dissertation project accepted in the scopus-indexed journal, will receive letter of notice – 3 and be given additional study period of 2 (two) semester at maximum.
4. Students who are unable to complete their studies are not allowed to continue their studies and declared as resigned or drop-out.



# Curriculum

## A. Study Program's Compulsory Courses

No	Code	Course	Credits
1.	PTO 891	Research Philosophy and Ethics	2/0
2.	PTO 892	Latest Animal Science Progress	2/0
3.	PTO 893	Special Course I	3/0
4.	PTO 894	Special Course II	3/0
5.	PTO 899	Dissertation	34
		Dissertation proposal and seminar (4 credits)	
		Comprehensive examination (3 credits)	
		Research and dissertation writing (16 credits)	
		Research result seminar (2 credits)	
		Dissertation defence(4 credits)	
		Publication (5 credits)	

## B. Specialization's Compulsory Courses

No	Code	Course	Credits
1	PTN 811	Feed Biotechnology	2/0
2.	PTD 821	Animal Production System Progress	2/0
3.	PTE 831	Agribusiness Institution Policy and Innovation	2/0
4.	PTH 841	Advanced Animal Food Science	2/0
5.	PTR 851	Molecular Approach to Animal Breeding and Reproduction	2/0

## C. Specialization's Elective Courses

No	Code	Course	Credits
1	PTN 812	Functional Feed Development	2 / 0
2.	PTD 822	Research on Current Animal Production	2/0
3.	PTE 832	Development Philosophy and Food Sovereignty	2 / 0
4.	PTH 842	Science and Technology of Protein of Animal Products	2 / 0
5.	PTR 852	Biometric Genetics and Physiology	2 / 0

Notes:

All courses are offered every semester



# Course Syllabus

## A. Study Program's Compulsory Courses

### ➤ Research Philosophy and Ethics (PTO 891)(2/0)

This course covers philosophy and ethics aspects in scientific research. Students will learn several topics in the subject that include philosophy and ethics in data collection and recording, plagiarism, conflict of interest, data management, mentor and trainee, research collaboration, scientific writing and publication, peer review, and ethics in research using laboratory animals.

### ➤ Latest Animal Science Progress (PTO 892)(2/0)

This course discusses advanced development in the field of animal husbandry that occurs either in national or international scopes. The course covers discussion focussing on condition of animal husbandry in the past, present, as well as the problems and its solutions coming from interdisciplinary approach that considers sustainability aspect. Students in this course will be able to analyze and describe animal husbandry condition in the world and formulate development plan to advance the animal husbandry in Indonesia.

### ➤ Special Course I (PTO 893) (3/0)

This course covers the dynamics occurring in the animal science research, hence, the course is focused on strategic issues faced in research, i.e. background and problems, literature review from previous research, logical thinking and idea generation, and hypothesis. In addition, students are trained to uncover, describe, and position issues related to animal husbandry development viewed from legislation, conception, and practical point of views with critical mindset.

### ➤ Special Course II (PTO 894) (3/0)

This is an advanced course of Special Course 1 that discusses dynamics in the animal science research. The course also covers strategic issues in the research that currently being executed or will be executed. Students are trained to uncover and describe research methods, research designs, and their implementations, as well as data interpretation.

### ➤ Dissertation (PTO 899) (34)

Dissertation consists of dissertation proposal and seminar (4/0), comprehensive examination (3/0), research execution and dissertation writing (16/0), research result seminar (2/0), dissertation defence (4/0), and internationally-indexed scientific publication (5/0).

Dissertation is a final stage of student assessment in the program that consists of ability in forming research idea in form of research proposal and seminar, mastery of science and knowledge in the level of doctoral study program necessary to start research, ability of students in conducting research and writing the results, ability in data collection and analysis, comprehensive assessment on dissertation, and communication and technological skill in form of scientific publication.

## B. Specialization's Compulsory Courses

### ➤ Feed Biotechnology (PTN 811) (2/0)

This course covers molecular manipulation on biological reaction of feed and its functions, that includes: i. feed components, i.e. water organic and inorganic compounds, ii. Feed as source of fiber, energy, protein, vitamin, and mineral; iii. Feed as basal feed, feed supplement, and feed additive. Students on this course will also learn molecular manipulation to improve feed and forage

productivity, nutrition value, digestibility, and detoxification, thus, the approach produce high quality feed and functional feed which able to improve reproductive and productivity performance of livestock.

➤ **Animal Production System Progress (PTD 821) (2/0)**

This course cover the latest condition on animaml production system including its global trend and problems along with the future trend assessment.

➤ **Agribusiness Institution Policy and Innovation (PTE 831) (2/0)**

This course covers agribusiness strategy and policy, i.e. stragegy and steps in decision makingwith strategic matrix approach, and instutitional innovation that includes institutional changes and institutional innovation in agribusiness industry.

➤ **Advanced Animal Food Science (PTH 841) (2/0)**

This course covers the philosophy behind animal products, characteristics of animal products, modern processing for animal products, and future animal product industry. The contents on this course are adapted to the latest technological development in animal food science in this modern era.

➤ **Molecular Approach to Animal Breeding and Reproduction (PTR 851) (2/0)**

This course covers molecular approach in replacing the conventional approach for animal breeding and reproduction. Animal selection based on performance and reproduction can be performed on the cellular or molelcualr level, namely using genetic marker that regulates certain productivity and reproductive performance.

## C. Specialization's Elective Courses

### ➤ **Functional Feed Development (PTN 812) (2/0)**

This course covers the development of functional feed for ruminants and non-ruminants. The contents included in this course are definition of functional feed and types of feed/forage which has characteristics as functional feed. Functional feed, along with the basic function as nutrient source also brings functional capacity for ruminants and non-ruminants to improve productivity performance, i.e. as anti-parasite agent. Students will also learn ways to improve nutrient availability by enzyme supplementation and enhancement of ruminal performance to enhance absorption. Other topics in the course are probiotic and prebiotic functions, and the roles of feed in improving animal products. In addition, students will also learn technological aspects that can be implemented in functional feed to create environmentally-friendly animal production without dismissing the main function of the feed.

### ➤ **Research on Current Animal Production (PTD 822) (2/0)**

This course covers the latest research in animal production: dairy, meat, draught, companion, and poultry. Implementation of latest research model and development in meat, draught, companion, dairy, and poultry animals are also included in the course.

### ➤ **Development Philosophy and Food Sovereignty (PTE 832) (2/0)**

In this course, students are invited to bring their philosophical and critical thinking to evaluate political ideas and ideology of developing countries, to review several theories used in the development of economic and political. Those topics are also reviewed in the subject of their relationship with food security, economic growth, contribution, and their effects and threats in both local and global scope.

### ➤ **Science and Technology of Protein of Animal Products (PTH 842) (2/0)**

This study covers characteristics, specification, classification, and structure of protein contained in animal products; latest protein technology; as well as structural, physical, and chemical changes of animal protein during food processing.

### ➤ **Biometric Genetics and Physiology (PTR 852) (2/0)**

This course covers methods and procedures in the assessment of animal's biological characteristics. Biometric characteristics can be further categorized into genetic and physiological traits which are associated with the animal morphology that includes biometric-based of genetic and physiological identification methods.

# APPENDIX


## A. Curriculum Mapping

Semester	Code	Course	Type	Credit	Expected Learning Outcome (LO)**									
					A		M		S			G		
					1	2	1	2	1	2	3	1	2	3
Odd/Even	PTO 891	Research Philosophy and Ethics	Study Program’s Compulsory	2/0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Odd/Even	PTO 892	Latest Animal Science Progress	Study Program’s Compulsory	2/0	✓	✓	✓	✓				✓	✓	
Odd/Even	PTO 893	Special Course I	Study Program’s Compulsory	3/0		✓	✓	✓	✓				✓	
Odd/Even	PTO 894	Special Course II	Study Program’s Compulsory	3/0		✓	✓	✓	✓				✓	
Odd/Even	PTO 899	Dissertation	Study Program’s Compulsory	34	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		1. Seminar and Proposal		4/0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		2. Comprehensive Examination		3/0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		3. Research and Writing		16/0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		4. Research Result Seminar		2/0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		5. Dissertation Examination		4/0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
		6. Publication		5/0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Animal Nutrition and Feed Science Specialization														
Odd/Even	PTN 811	Feed Biotechnology	Specialization’s Compulsory	2/0		✓	✓	✓	✓			✓	✓	
Odd/Even	PTN 812	Functional Feed Development	Specialization’s Elective	2/0	✓	✓	✓	✓	✓	✓		✓	✓	
Animal Production System Specialization														
Odd/Even	PTD 821	Animal Production System Progress	Specialization’s Compulsory	2/0	✓	✓		✓		✓	✓	✓	✓	✓
Odd/Even	PTD 822	Research on Current Animal Production	Specialization’s Elective	2/0			✓	✓	✓		✓	✓	✓	

Semester	Code	Course	Type	Credit	Expected Learning Outcome (LO)**									
					A		M		S			G		
					1	2	1	2	1	2	3	1	2	3
Agribusiness Social Economic Specialization														
Odd/Even	PTE 831	Agribusiness Institution Policy and Innovation	Specialization's Compulsory	2/0	✓	✓		✓		✓	✓		✓	✓
Odd/Even	PTE 832	Development Philosophy and Food Sovereignty	Specialization's Elective	2/0	✓	✓	✓	✓			✓			✓
Animal Products Technology Specialization														
Odd/Even	PTH 841	Advanced Animal Food Science	Specialization's Compulsory	2/0			✓	✓	✓	✓	✓		✓	✓
Odd/Even	PTH 842	Science and Technology of Protein of Animal Products	Specialization's Elective	2/0			✓	✓	✓					
Animal Reproduction and Breeding Specialization														
Odd/Even	PTR 851	Molecular Approach to Animal Breeding and Reproduction	Specialization's Compulsory	2/0			✓	✓	✓	✓	✓		✓	✓
Odd/Even	PTR 852	Biometric Genetics and Physiology	Specialization's Elective	2/0		✓	✓	✓		✓	✓		✓	✓

## B. Forms

### Supplement 1. Form: a request for advisors

	FORM	Doc. number	F-PPs-01/03
	STUDY PROGRAM OF DOCTOR IN ANIMAL SCIENCE	Effective since	23 June 2014
	<b>REQUEST FOR ADVISORS</b>	Revision	01
		Page(s)	1 out of 1

### REQUEST FOR ADVISORS

To: Head of Study Program of Doctor in Animal Science  
Faculty of Animal Science UGM

Name of student : \_\_\_\_\_  
Student number : \_\_\_\_\_  
Study program : Doktor Ilmu Peternakan  
Proposed research title : \_\_\_\_\_

List of faculty members as advisors:

1. \_\_\_\_\_ as Promotor
2. \_\_\_\_\_ as Co-promotor
3. \_\_\_\_\_ as Co-promotor

Reasons for proposing the aforementioned faculty members as advisors:


\_\_\_\_\_  
\_\_\_\_\_

Yogyakarta, \_\_\_\_\_  
Student

\_\_\_\_\_



**Supplement 2. Form: a request for examiners**

	FORM	Doc. number	F-PPs-01/03
	STUDY PROGRAM OF DOCTOR IN ANIMAL SCIENCE	Effective since	23 June 2014
	<b>REQUEST FOR EXAMINERS</b>	Revision	01
		Page(s)	1 out of 1

**REQUEST FOR EXAMINERS**

To: Head of Study Program of Doctor in Animal Science  
Faculty of Animal Science UGM

Nama of student : \_\_\_\_\_  
Student Number : \_\_\_\_\_  
Study Program : Doctor in Animal Science

Title of research proposal:

\_\_\_\_\_  
\_\_\_\_\_

List of faculty members proposed as examiners:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_


Reasons for proposing the aforementioned faculty members as examiners:

\_\_\_\_\_  
\_\_\_\_\_

Yogyakarta, \_\_\_\_\_  
Student

\_\_\_\_\_

**Supplement 3. Formulir Konsultasi**

	FORM STUDY PROGRAM OF DOCTOR IN ANIMAL SCIENCE	Doc. number	F-PPs-01/05
		Effective since	23 June 2014
	<b>CONSULTATION</b>	Revision	01
		Page(s)	1 out of 1

**Consultation**

Name of student : \_\_\_\_\_

Student number : \_\_\_\_\_


Title of research/dissertation : \_\_\_\_\_

Starting date of research : \_\_\_\_\_

Name of advisors : \_\_\_\_\_

Date	Name of advisors	Content of consultation	Advisor's signature

**Supplement 4. Form: Request for research proposal seminar**

	FORM STUDY PROGRAM OF DOCTOR IN ANIMAL SCIENCE	Doc. number	F-PPs-S3-10-01
		Effective since	15 July 2013
	<b>REQUEST FOR RESEARCH PROPOSAL SEMINAR</b>	Revision	01
		Page(s)	1 out of 1

**REQUEST FOR RESEARCH PROPOSAL SEMINAR**

To: Head of Study Program of Doctor in Animal Science  
Faculty of Animal Science UGM

Nama of student : \_\_\_\_\_  
Student number : \_\_\_\_\_  
Study program : Doctor in Animal Science  
Promotor : \_\_\_\_\_  
Co-Promotor : \_\_\_\_\_  
Co-Promotor : \_\_\_\_\_

Title of research proposal seminar : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Discussants (faculty members) : 1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

Promotor  
Yogyakarta,  
Student


\_\_\_\_\_

\_\_\_\_\_

Supplement:

1. Seminar material (7 copies)

**Supplement 5. For: Request for comprehensive examination**

	FORM	Doc. number	F-PPs-S3-10-01
	STUDY PROGRAM OF DOCTOR IN ANIMAL SCIENCE	Effective since	15 July 2013
	<b>REQUEST FOR COMPREHENSIVE EXAMINATION</b>	Revision	01
		Page(s)	1 out of 1

**REQUEST FOR COMPREHENSIVE EXAMINATION**

To: Head of Study Program of Doctor in Animal Science  
Faculty of Animal Science UGM

Name of student : \_\_\_\_\_  
Student number : \_\_\_\_\_  
Study program : Doktor Ilmu Peternakan  
Title of research proposal : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

List of faculty members proposed as evaluator team:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_


Promotor,

\_\_\_\_\_

Supplememnts:

1. Reserch proposal (7 certificates)
2. Copy of TPA (*Test Potensi Akademik* – Academic Potential Test) score report (1 copy)
3. Copy AcEPT/TOEFL score report(1 lembar)

**Lampiran 6. Formulir Permohonan Seminar Hasil Penelitian**

	FORM STUDY PROGRAM OF DOCTOR IN ANIMAL SCIENCE	Doc. number	F-PPs-S3-10-01
		Effective since	15 July 2013
	<b>REQUEST FOR RESEARCH RESULT SEMINAR</b>	Revision	01
		Page(s)	1 out of 1

**REQUEST FOR RESEARCH RESULT SEMINAR**

To: Head of Study Program of Doctor in Animal Science  
Faculty of Animal Science UGM

Nama of student : \_\_\_\_\_  
Student number : \_\_\_\_\_  
Study program : Doctor in Animal Science  
Promotor : \_\_\_\_\_  
Co-Promotor : \_\_\_\_\_  
Co-Promotor : \_\_\_\_\_


Title of Research Result Seminar : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Discussants (faculty members) : 1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

Promotor  
\_\_\_\_\_  
Yogyakarta,  
Student  
\_\_\_\_\_

Supplement:  
1. Seminar material (7 copies)

**Supplement 7. Form: Request for dissertation appropriateness evaluation**

	FORM	Doc. number	F-PPs-S3-10-01
	STUDY PROGRAM OF DOCTOR IN ANIMAL SCIENCE	Effective since	15 July 2013
	<b>REQUEST FOR DISSERTATION APPROPRIATENESS</b>	Revision	01
	<b>EVALUATION</b>	Page(s)	1 out of 1

**REQUEST FOR DISSERTATION APPROPRIATENESS EVALUATION**

To: Head of Study Program of Doctor in Animal Science  
Faculty of Animal Science UGM

Along with this form, I attach dissertation with a title:

.....  
.....  
.....

Name of : .....  
Student number : .....  
Study program : Doctor in Animal Science

List of names proposed as dissertation appropriateness evaluator team:

1. ....
2. ....
3. ....

Yogyakarta, .....  
Promotor


\_\_\_\_\_

Supplements :

1. Dissertation (9 copies)
2. Statement letter of revision from dissertation evaluator team (3 copies)



## Lampiran 8. Formulir Laporan Kemajuan Studi

	FORM STUDY PROGRAM OF DOCTOR IN ANIMAL SCIENCE	Doc. number	F-PPs-S3-10-01
		Effective since	15 July 2013
	STUDY PROGRESS REPORT	Revision	01
		Page(s)	1 out of 1

### STUDY PROGRESS REPORT

**Semester** : \_\_\_\_\_  
**Name of student** : \_\_\_\_\_  
**Student number** : \_\_\_\_\_  
**Study program** : Doctor in Animal Science  
**Address** : \_\_\_\_\_  
**Phone number** : \_\_\_\_\_

List of advisors:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Title of dissertation research : \_\_\_\_\_

Research time (month, year) : \_\_\_\_\_

Title of main research title : \_\_\_\_\_

Name of researches : \_\_\_\_\_

Proposal seminar : \_\_\_\_\_

Comprehensive examination : \_\_\_\_\_

Research progress \*) ☐ unchecked ☐ on going ☐ checked

Preparation (.....%) date: .....

Data collection (.....%) date: .....

Data analysis (.....%) date: .....

Research result seminar (.....%) date: .....

Dissertation writing (.....%) date: .....

Research result seminar – 1 : \_\_\_\_\_

Research result seminar – 2 : \_\_\_\_\_

Dissertation evaluation : \_\_\_\_\_

Plans for incoming semester : \_\_\_\_\_

Drawbacks : \_\_\_\_\_

Promotor

Yogyakarta, \_\_\_\_\_  
Student


\_\_\_\_\_

\_\_\_\_\_

Head of Study Program

\_\_\_\_\_

# Supplement 9. Form: Study completion plan

	FORM STUDY PROGRAM OF DOCTOR IN ANIMAL SCIENCE	Doc. number	F-PPs-S3-10-01
		Effective since	15 July 2013
	<b>STUDY COMPLETION PLAN</b>	Revision	01
		Page(s)	1 out of 1

## STUDY COMPLETION PLAN

Semester : \_\_\_\_\_

Name of student : \_\_\_\_\_

Student number : \_\_\_\_\_

Study program : Doctor in Animal Science

Stages	Checked/Unchecked	Execution/Target (month & year) *)
Research proposal seminar	<input type="checkbox"/> / <input type="checkbox"/>	
Comprehensive examination	<input type="checkbox"/> / <input type="checkbox"/>	
Research result seminar – 1	<input type="checkbox"/> / <input type="checkbox"/>	
Research result seminar – 2	<input type="checkbox"/> / <input type="checkbox"/>	
Request for dissertation evaluation	<input type="checkbox"/> / <input type="checkbox"/>	
Dissertation revision	<input type="checkbox"/> / <input type="checkbox"/>	
Request for dissertation appropriateness evaluation	<input type="checkbox"/> / <input type="checkbox"/>	
Dissertation defence	<input type="checkbox"/> / <input type="checkbox"/>	

\*) Fill with the time of execution or time of target execution

Reserach/Dissertatoin	Checked/Unch eched	Completion percentage (%) year .....					
		**) )	**) )	**) )	**) )	**) )	**) )
Research preparation	<input type="checkbox"/> / <input type="checkbox"/>						
Data collection	<input type="checkbox"/> / <input type="checkbox"/>						
Data analysis	<input type="checkbox"/> / <input type="checkbox"/>						
Dissertation writing	<input type="checkbox"/> / <input type="checkbox"/>						

\*\*) fill with month (since the beginning month of semester)

Yogyakarta, \_\_\_\_\_

Promotor

Student

\_\_\_\_\_

\_\_\_\_\_

## C. Faculty members



**Ali Agus, Ir., DAA., DEA., Dr., Prof. Dr. IPU.**

Ir. (Universitas Gadjah Mada, Yogyakarta, 1989)  
DAA. (ENSA de Rennes, Rennes, Prancis, 1993)  
DEA. (ENSA de Rennes, Rennes, Prancis, 1993)  
Dr. (ENSA de Rennes, Rennes, Prancis, 1996)  
Prof. (Universitas Gadjah Mada, Yogyakarta, 2009)  
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Field of study: feed technology and ruminant nutrition



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Field of study: Applied microbiology



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Field of study: feed technology



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Field of study: poultry production



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Field of study: Applied physiology for animal production



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Field of study: Animal feed and nutrition



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Field of study: community development & agricultural development in tropics



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Field of study: dairy nutrition and production



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Field of study: biotechnology



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Field of study: feed technology, mycotoxicology



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Field of study: reproduction/embryology



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Field of study: animal breeding and molecular genetics



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Field of study: meat science



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Field of study: meat and draught animal production



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Field of study: rural studies



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Field of study: agriculture communication and extension



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Field of study: small ruminant production



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Field of study: animal reproduction



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Field of study: food science and nutrition



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Field of study: ruminant nutrition



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Field of study: nutritional biochemistry



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Field of study: agriculture/animal husbandry economics



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Field of study: enzymology and biochemistry of meat



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Field of study: animal feed and nutrition



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Field of study: animal products technology



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Field of study: poultry nutrition





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Field of study: ruminant production



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Field of study: meat and milk technology



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Field of study: meat, draught, and companion animal production



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Field of study: socio-economics in animal husbandry



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Field of study: meat technology



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Field of study: feed technology and ruminant nutrition



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Field of study: meat technology



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Field of study: meat science and technology



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Field of study: animal reproduction



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Field of study: poultry science



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Field of study: agriculture marketing





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Field of study: animal breeding and statistics



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Field of study: animal breeding and molecular genetics



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Field of study: animal production system



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Field of study: environmental physiology



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Field of study: food safety of animal products



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Field of study: dairy production



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Field of study: applied biochemistry



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