



Model of Innovation of Global Competitive Education in the Department of Agribusiness Faculty of Agriculture Jambi University

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Abstract. Education is a social institution that serves the needs of the community, it is very necessary for survival and development. The purpose of national education is no longer only to educate the nation and liberate humans, but shifts towards education as a commodity because it emphasizes the mastery of science, technology, and arts (IPTEKS) which are pragmatic and materialist. The purpose of this research grant activity for the management of this department in specific objectives are 1. To construct a globally competitive educational innovation model in the Agribusiness Department and 2. Initiating the latest data-based website in the Agribusiness Department that is globally competitive by digitalization. The result of this research are revised changes in Standard Operational Procedures (SOP) for curriculum workshop, second workshop, National and International Publications and presence of practitioner lecturers in providing learning material to the issues raised develop. The second result is the department's data base has been upgraded by displaying more comprehensive information so that the existence of this departmental database will help all parties who need information related to the Agribusiness Department.

Keywords: Model Innovation · Global Competitive Education · Department of Agribusiness

1 Introduction

Education is a social institution that serves the community's requirements; it is critical for survival and progress. It must not only be comprehensive, sustainable, and exceptional, but it must also change to meet the demands of a rapidly changing and unpredictable global world [11]. The purpose of national education has shifted from educating the country and liberating humanity to education as a commodity because it prioritizes mastery of Science, Technology, and Arts (IPTEKS), which are pragmatic and materialist in nature (3). Furthermore, to make education the primary instrument of realizing the Indonesian nation as an autonomous and highly competitive nation [1]. As a result, educational innovation is required to educate the nation's life. And develop a complete human being, namely a human who has faith and is devoted to God Almighty and has

noble character, has knowledge and skills, physical and spritual health, a strong and independent personality and a sense of responsibility, community and nationality [2, 4].

Education in Indonesian higher education itself has again experienced a shift in line with changes in governance. Based on the new policy direction of the Minister, Higher Education is encouraged to implement the education concept of Merdeka Learning-Merdeka Campus (MBKM). The independent learning Policy – Independent Campus is in accordance with Permendikbud Number 3 of 2020 concerning National Standards for Higher Education Article 18. The agribusiness Department, Faculty of Agriculture, University Of Jambi with the Agribusiness study program has obtained an A (excellent) accreditation rating in the Agribusiness Strata 1 Study Program and a very good rating (B) for the Agribusiness Masters Study Program and the Agribusiness Diploma 3 Study Program. The Agribusiness Department continues to improve the management of the department to achieve higher education within the MBKM framework with an International Accreditation rating. This encourages majors to innovate Education. Education innovation to achieve international accreditation that is globally competitive is supported by the implementation of an Outcome-Based Education (OBE) system. Thus, a structured and systematic and sustainable effort is needed that is supported by strategic policies to change the old educational paradigm (OBE). In addition, the MBKM policy makes the Agribusiness department position itself as a campus credential in the learning implementation system. In order for the change in the learning system to take place effectively and efficiently, it is necessary to innovate a learning model that can implement the OBE system in the form of micro credential learning that liberates students. Efficiency and effectiveness in achieving innovation in education administration can be further improved if the department has a Global Competitive Education Innovation Policy Model. This innovation model is based on the digitization of educational programs that utilize the database system owned by the Agribusiness Department.

The general objective of this research on improving education governance towards global competitiveness is to analyze the impact of various improvements in departmental governance activities, improvement of education and research services on improving the quality of education and research services and their impact on global competitiveness of Agribusiness department. Thi research are as follow (1) constructing a globally competitive educational innovation model in the Agribusiness Department (2) Initiating the latest data-based website in the Agribusiness Department that is globally competitive by digitalization.

2 Reserch Methods

The implementation of the Educational Innovation Model activity at the Jambi University Agribusiness Department in 2021 will be held from July 1 to November 30, 2021. The location of activities are Mendalo Darat Campus, Jambi University, FGD and in depth interview, Dissemination of globally competitive educational iinnovation models, creation of a digital-based Agribusiness department database and socialization of the digital based Agribusiness Department Database Website.

3 Result

3.1 Agribusiness Department's Global Competitive Education Innovation Model

Education is viewed as a life-long process of civilizing and empowering pupils. The changing times and evolving technologies need changes in all aspects of life, including education. The process of changing local or regional phenomena into global occurrences is referred to as globalization. This can be used to describe a process in which all of the planet's separate people are united into a single civilization and function as one. A convergence of economic, technological, societal, and political forces has resulted in this process.

Learning and innovation abilities have been obtained as capabilities that can distinguish between students who are prepared to deal with an ever-changing life and work environment and those who are not. The essential aspects in educating kids for the future are a focus on creativity, critical thinking, communication, and teamwork. Innovative education is also something that educational institutions must consider. Innovative learning is meant to produce pupils who are capable of thinking critically and solving challenges. In addition, they are also able to use clear reasoning in the process of understanding things and are good at making choices and making decisions. These points need to be prepared by an institution in producing students as graduates who can be globally competitive.

The department of Agribusiness, Faculty of Agriculture, Jambi University continues to improve in improving the education model that is globally competitive. In achieving graduates who can meet the criteria for a global working world, as a forum for education the majors make improvements in the teaching system to management. In producing graduates who are globally competitive, the Agribusiness Department makes improvements in the teaching system through several things, namely as follows:

- a) Revised SOP for Agribusiness Department
- b) Graduate Learning Outcomes (CPL)

Conceptually, each level of qualification in the IQF is composed of several parameters, namely (a) knowledge (b) practical knowledge (c) skills, Affection and (c) competence. The formulation of learning Outcomes in the Graduate Competency Standards is stated into 3 elements, namely Attitudes, Knowledge and Skills which are divided into general and specific skills.

The mission of the Agribusiness Department which is derived from the Department's Vision has educational goals to be achieved in the curriculum, namely (1) produce graduates who are skilled in developing and applying science and technology in the field of agribusiness, (2) produce competitive graduates who have entrepreneurial, creative, and innovative and able to apply science and technology in the field of agribusiness, (3) make a real contribution to the progress and sustainability of agricultural development that prosper the community through thought, research and service.

- c) Workshop on SKNNI-Based Curriculum and MBKM Implementation

The Agribusiness Department/Study Program continues to strive so that the Independent Learning Campus (MBKM) program can meet the demands for subject

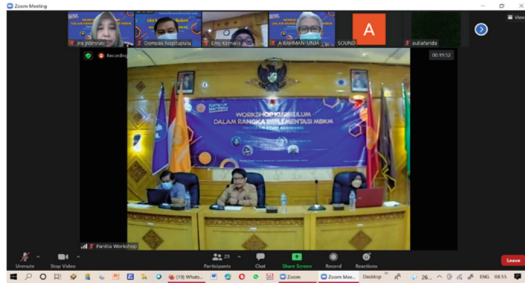


Fig. 1. Implementation of Curriculum Workshop (Source: Author)



Fig. 2. The Second Workshop Activity of Curriculum Workshop (Source: Researchers)

learning outcomes and graduate achievements, so to implement this, the department seeks to improve the existing curriculum. This is done so that the implementation of MBKM continues to apply learning outcomes in each course. Therefore, the Department held a curriculum workshop in the context of implementing MBKM. This activity was carried out offline on November 30, 2021 in the Senate Room of the University of Jambi by presenting speakers from the Agribusiness Study Program, Faculty of Agriculture Universitas Brawijaya [Fig. 1]. These sources include (1) Dr. Ir. Agustuna Shinta Hartati W, M.P as head of the Agribusiness Study Program (2) Dr. Riyanti Isaskar, S.P.M.Si as MBKM leader team the Agribusiness Study Program and (3) Nur Baladina, S.P.M.P as MBKM team the Agribusiness Study Program.

- d) MBKM Implementation Documents or Tools in Supporting the implementation MBKM, majors and study programs must synergize.

MBKM implementation tools need to be supported by standard tools or documents. Therefore, the study program and all teaching lecturers jointly compile the device. In implementing MBKM, the Department/Prodi held a second workshop, which was a continuation of the previous curriculum workshop. The agenda for this second workshop is to harmonize the understanding of MBKM implementation in various existing schemes [Fig. 2]

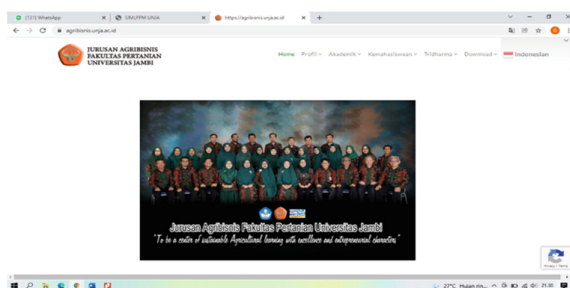


Fig. 3. Agribusiness Majors Database Display (Source: Author)

e) National and International Scientific Publications.

Scientific publications are one of the indicators in measuring the achievement of scientific performance of a lecturer at a university. The Agribusiness Department and even universities have made scientific publications one of the benchmarks for lecturers' performance. Table 1 is some lecturer publications in 2021.

3.2 Agribusiness Department Database or Website

In the second goal of governance, the Department of Agribusiness designs to create a data base in the form of a website for the Agribusiness Department. The database serves to provide digital information about the development of the agribusiness department. This supports the preparation of International Accreditation.

Based on the results of the internal self-evaluation, the description, analysis and reflection on the situation, performance and learning tools in the Agribusiness Department Faculty of Agriculture, Jambi University was obtained. Globally competitive education within the MBKM framework requires a paradigm shift process by the department through several stages. This stage begins with analysing the department's existing strategic position.

The analysis uses 7 indicators of the University's strategic objectives which are derived into the analysis of the strategic position of the agribusiness department. The stages carried out by the agribusiness department can achieve these strategic goals.

4 Conclusions

An educational innovation model that is globally competitive in the Agribusiness Department, Faculty of Agriculture Jambi University, begins with the Revised Changes in Standards Operational Procedures (SOP) for curriculum Workshop, Second Curriculum Workshop, National and International Publications and the presence of practitioner lecturers in providing learning tailored to the issues raised develop. The department's database has been upgraded by displaying more comprehensive information so that the existence of this departmental database will help all parties who need information related to the Agribusiness Department.

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Bibliography

1. Abdul, A.J (2016). Penguatan Tata kelola Kelembagaan Iain menuju Iain Ambon Bermutu Melalui Pelaksanaan Good University Governance, *Jurnal Fikratuna*, 8(2), 22–34.
2. Kementerian Pendidikan dan Kebudayaan, 2003. Undang-undang Nomor 20 Tahun 2003, tentang Sistem Pendidikan Nasional Jakarta
3. Kementerian Pendidikan dan Kebudayaan, 2012. Undang-undang Nomor 12 Tahun 2012, tentang Sistem Pendidikan Nasional Jakarta
4. Kementerian Pendidikan dan Kebudayaan, 2014. Peraturan Pemerintah Nomor 04 tahun 2014, tentang Penyelenggaraan Pendidikan Tinggi dan Pengelolaan Perguruan Tinggi. Jakarta
5. Kementerian Pendidikan dan Kebudayaan Direktorat Pendidikan Tinggi, 2020. Buku Panduan Merdeka Belajar-Kampus Merdeka. Jakarta
6. Lembaga Pengembangan Pembelajaran dan penjaminan Mutu (LP3M). 2020. Panduan Penyusunan Kurikulum Merdeka Belajar dan Kampus Merdeka dan Dokumen Panduan Penyusunan Kurikulum Merdeka Belajar dan Kampus Merdeka Universitas Jambi
7. Peraturan Rektor no 9 tahun 2020 tentang peraturan Akademik Universitas Jambi
8. Peraturan Rektor No 13 tahun 2020 tentang Standar Operasional Prosedur (SOP) Merdeka belajar dan Kampus Merdeka
9. Peraturan Rektor No 15 Tahun 2020 tentang Manual Mutu Belajar Kampus Merdeka
10. peraturan Rektor No 16 Tahun 2020 tentang Sistem Penjaminan Mutu Internal (SPMI) merdeka Belajar dan Kampus Merdeka Universitas Jambi
11. Serdyukov, P.(2017). Innovation in Education: What Works, What Doesn't and What To Do About It? *Journal Od Research In Innovative Teaching & Learning*, 10 91), 4–33. <https://doi.org/10.1108/Jrit-10-2016-0007>
12. Jurusan Agribisnis, 2020. Akreditasi Program Studi Sarjana: Evaluasi Diri Program Studi. Universitas Jambi

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