

Achievement on the Role of Competitive University: A Case Study at Muhammadiyah University of East Kalimantan (UMKT)

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Abstract—The community's expectation of university is relevant to its main role and function as decision or policy making that will be carried out or delegated to the subordinates, lecturers, and other academic staffs. The community's expectation of university is increasing along with the development of science and technology. The qualitative approach with a case study type were used in this research. Research instrument is researcher. Key informant is Dean Faculty of health science and Dean secretary, the others Informant are Vice Quality assurance, Vice research and community service, head of study program, lectures, college student, alumni, community personal and user. The data were collected through depth-interview, participation observation, and document study. The data were analyzed with interactive model by Miles and Huberman model. The data validity and reliability were used credibility, dependability, transferability and confirmability. The research finding are: The four role of university are a agent of education, agent of research, agent of culture, knowledge and technology transferred and agent of economic development are less optimally implementation in UMKT, so that the next UMKT can be implementation university of role with comprehensive to be a competitive university.

Keywords: *competitive university, university of four role, Muhammadiyah University of East Kalimantan (UMKT)*

I. INTRODUCTION

The community's expectation of university is increasing along with the development of science and technology [16]. Society relies on the university to have a role as an *Agent of Education* in the beginning. Not only does university have the role as *Agent of Education*, society also expects it to be *Agent of Research and Development*. The expectation is higher when society demands that a university also plays its role as *Agent of culture, knowledge and technology transfer* as well as *Agent of Economic Development* [22]. A university is forced to create an innovation that is able to give economic advantage to general society [17]. Furthermore, it ought to be supported and facilitated to be more innovative and beneficial to society [11].

Rapid development of technology and information in various aspects of life including educational field bridges the demand between society and education quality by introducing educational innovations that are efficient and effective in terms of quality and educational financing [9]. The supporting factors of the university governance are developed through innovation of better educational services for students and improvement of learning opportunities. In addition, the

fundamental principles of the university governance also influence the development of the university governance [18].

This is basically important for an institution in order to anticipate such development continuously and put some efforts to provide good university governance [5]. The community's expectation of university is relevant to its main role and function as decision or policy making that will be carried out or delegated to the subordinates, lecturers, and other academic staffs [21]. Muhammadiyah University of East Kalimantan exists and develops rapidly because of the support of society and academic community. They have a slogan "They must support education without making a profit in Muhammadiyah" which becomes their internal source of power and gives religious meaning when managing role, function and responsibility as Muhammadiyah members. The regulatory development process of governance management at Muhammadiyah University of East Kalimantan, which has been carried out for six months, can become a benchmark of the implementation of university governance or known as Good University Governance.

In this case, the university has made some efforts to improve the implementation of governance management as mandated by the government [4]. Although it is expected that the university governance can be well-developed, in fact, there are some obstacles faced by Muhammadiyah University of East Borneo such as technical problem, inadequate knowledge and comprehension of management of university governance in each unit during the transition period. The university governance at UMKT is specially accompanied by Muhammadiyah University of Solo and some of the human resources of Muhammadiyah University of Solo are also the leaders of Muhammadiyah University of East Kalimantan.

The management of the university governance currently believes the smooth system of organization which is seen from how the subordinates acted in compliance with the superiors [24]. It still distracts the focus of the concrete concept and detail of governance management that should be carried out by Muhammadiyah University of East Borneo. This condition also illustrates accelerative working culture due to the local, domestic and global competition demand [2]. In addition, this condition clearly observes that the management of the applied governance has not achieved an optimal result yet even though it is reported having rapid development [15]. The solutions to cope with the problem are required to be implemented by Muhammadiyah University of East Borneo during the transition period. The solutions made are based on the implementation of 16 principles of *good university governance* that is significantly optimal for every organization and the education management system.

II. METHODS

The research approach employed was qualitative with a case study design [6,8]. The instrument of the research was the researcher herself [1]. The key informants were the Dean of the Faculty of Health Sciences and the Secretary of the Dean. Meanwhile, the informants in this research included the Head of Quality Assurance, the Head of the Institute for Research and Community Services, Heads of Bureaus, Heads of Study Programs, Lecturers, the Head of Library, the Heads of Laboratories, the Academic Administration Division, students, graduates, community members and stakeholders. The data were collected by conducting in-depth interviews, participatory observation and documentation study. The total number of the informants was 36. The sampling technique employed was snowball sampling.

The data analysis technique was the interactive analysis model according to Miles dan Huberman [7]. Data validation was done by using credibility, dependability, transferability, and confirmability. The data analysis procedures were data collection, presentation and condensation, as well as conclusion/ verification. Furthermore, the in-depth interview was considered as done when the answers had been saturated or the data saturation occurred (redundant). The results of the interview were cross-checked among the informants through the participatory observation and documentation (data collection technique triangulation).

III. RESULT AND DISCUSSION

The interviewed result from 20 informan head leaders and lectures, so than cross cheks to 16 informan (8 student, 4 alumni, 2 user dan 2 communities) di UMKT. Just they say about the university of role to agent of education, agent of research, agent of transfer knowledge, culture and technology and than agent of economic development are:

"I think the learning process is good enough, I am in semester V. Submission of lecturer materials can be accepted, the lecturers are qualified. The religious element in Muhammadiyah is good, there are activities that have a direct impact on the community, can improve public health in general. For community service activities that are directly useful, many institutions also do it. What is lacking in my opinion is the facility for scholarship, for example a chair or seat that is lacking while waiting for a lecturer. The UMKT campus is currently not shady and shady, the campus is not yet green, the advice is to build parks with adequate Wifi and electricity for students and add greening to the campus" (IWMKM.NJ.19.02.18 and IWMKM.YN.19.02.18)

Based on the results of the interview above related to the learning atmosphere, students give suggestions for infrastructure that is more supportive, that is, the concept of campus is green and shady, there are parks equipped with tables and can use laptops and wifi comfortably. This is also in line with the results of interviews with students of nursing and study program students as follows: "Quality culture on campus, as well as in other campuses as well [14]. For example, increasing motivation to learn, not using clothes that are not polite according to Islamic principles. Learn about Al-Islam and Muhammadiyah until semester 3, discuss prayer, prayer manners, and others. All Islam learning is made a group for recitation, learning Tajwid. Most of the alumni brothers were accepted to work in hospitals. Activities carried out at the HIMIKA campus organization, come directly to the community to do health education and medical care and free health checks. For governance, it needs to be improved again,

the advice is that students must be brought back to study better at the Laboratory, not balanced between the ratio of lecturers and students, and improved laboratory learning and added tools to make it even better. There are many activities carried out by the campus together with students and lecturers who are directly accepted by the community by conducting health education, health checks and free medical treatment to the community."(I.W.MK.YN.19.02.18 and I.W.MK.ML.19.02.18).

The excellent quality culture in UMKT is about discipline and assessment is very objective. Many campus activities are carried out by lecturers and students such as health education directly to the community. However, the campus felt less green, so the atmosphere seemed barren. Community service activities are also carried out by the Pharmacy Study Program, and the results of the interview are as follows: "The learning process is very good, here the material is more about pharmacy, the lecturers are also good and the laboratory facilities are better. Lecturers in delivering material are easily accepted by students. Every Friday there is recitation. Direct activities are carried out to the community for free inspection "(I.W.MF.MS.19.02.18).

Based on the results of interviews with public health study program alumni are as follows: "Yes, all the courses that have existed so far, can be applied significantly especially to families themselves who are more inclined to health promotion and directly related to the world of work. Competitiveness in the world of work, the time I need to get a job is 2 months, and not in accordance with the scientific education in UMKT is as follow field. (I.W.MKL.AJ.19.02.18 and I.W.A.AA.20.02.18).

The interview results expressed by nursing alumni are as follows: "I think nurses are still broad at work opportunities, nurses in entrepreneurship and others. It is very short if you want to get a job for entrepreneurial nurses, if the others need time to be accepted at a health agency" (I.W.A.PS.20.02.18). The results of interviews with the community around the UMKT are as follows: "The existence of the UMKT, has an economic impact for me and my family, because by selling here I can supplement my family's income. In my opinion, there is an influence of changes in my knowledge about health because I often ask health students here. The canteen must also be clean, not to be dirty and must always maintain the cleanliness of the canteen. My mindset is getting more and more about cleanliness and also illness, the pattern of life is increasingly applying a healthy lifestyle. Garbage is separated from organic waste and plastic and can be sold in the UMKT waste bank. Having a house near this UMKT campus, I am very grateful for feeling a little economically helped. I am very grateful that there are students who want to shop for food and fried me. Fair income. I have also been treated at the clinic for the UMKT (I.W.M.IR.21.02.18 and (I.W.M.IN.21.02.18).

The results of interviews with other graduate users are as follows: "In general the performance of the Health Faculty graduates of the UMKT is good, but it is the same as other graduates in terms of skill and attitude, sometimes there is something that is lacking. Occupies third after the Provincial and Poltekkes Akper in terms of number of employees at AWS Hospital "(I.W.U.LDNF.22.02.18). "The UMKT learning process should use outside lecturers related to mandatory skills that must be possessed when students will practice at AWS Hospital, for example on basic assessments that must follow the references of hospital accreditation bodies, and many others" (IWUWO.22.02.18)

Tabel 1. The Role of University

No	Achievement four the role of university	Indicators	Observation and Documentation
1	<i>Agent of education</i>	Ultimate Contribution : Educating People Main Perform Indicator: Graduate Employability waiting time	1. All lecturers are at least S2 2. All Linear Lecturers of S1 and S2 3. Doctor of 6 people, Doctoral candidate 3 people 4. In the next 4 years, all lecturers must be doctorates 5. All lecturers have been Jafung 6. 28 Lecturers have been certified 1. Waiting time graduates work between 2-3 months 2. Many have not been in accordance with the scientific field 3. The main recruitment from one of the regional hospitals in Samarinda
2	<i>Agent of reseach</i>	Ultimate Contribution : Researching basic and applicative problems Main Perform Indicator 1. Publication 2. Patent 3. Citation	1. Research based on social and environmental 1. Collaborative research by lecturers and students as well as between study programs 2. Competitive Grants for UMKT and Dikti research 3. Reward system for national and international journal publications and patents
3	<i>Agent of culture, knowledge and technology transferred</i>	Ultimate Contribution : Transferring Culture, knowledge, technology society & industry Main Perform Indicator 1. Culture, knowledge, technology transfered 2. Industry and Community	1. Pilot Project for Communit Servies in Loa Kulu Village, kutai Kertanegara 1. Al-Islam and Kemuhammadiyahhan 2. Motto: Personality, Character and Progress 3. Logo: IT Based Paper-Less University 4. Vision and mission: Focus on social and environment in an effort to alleviate poverty 1. Different religions of UMK personalities: maintained tolerance and mutual respect 2. Kemuhammadiyahhan concept that upholds good human relations 3. There have been pilots of community empowerment projects in Loakulu, Kutai Kartanegara Village
4	<i>Agent of economic development</i>	Ultimate Contribution : Innovating to develop and National Competitiveness Main Perform Indicator : 1. Innovational 2. Employment 3. Industry 4. Money Generated	1. IT and Paper-based Less University 1. Creating Brand Image, Motto: IT Based Paper-Less University 2. IT-based governance in all units online, special officials oversee IT and publication research 1. <i>Online Shopping System</i> (e-commerce) 1. D1 Agricultural Vocational 2. Medicinal plants for Pharmacy Study Program 1. Garbage & craft bank 2. Community empowerment in Loakulu, selling stick dishes 3. Soul Clinic and HIV-Aids

To be able to meet the expectations of the community so that the Higher Education can also act as an agent of economic development, the Higher Education is required to be able to produce innovations that can provide economic

benefits to society at large. Although currently specifically the ability of Indonesian Universities has not been monitored to produce innovations that bring direct benefits to the community, many Higher Education studies that are ready to

be disbursed can bring direct benefits to the community. Going forward, universities must be more encouraged and facilitated to be able to produce innovations that are directly beneficial to the community.

Higher education has a heavy burden in realizing the nation's expectations of the process and results of higher education held. The process of higher education must combine in a balance between aspects of normative values and pragmatic realistic aspects, in order to be able to produce graduates who are competitive by remaining in character in accordance with the nation's cultural values. Higher education as part of the national education system has a strategic role in educating the life of the nation and advancing science and technology by applying the humanities, the sustainable cultivation and empowerment of the Indonesian nation. Higher education to improve the competitiveness of the nation in the face of globalization in all fields, higher education is needed that is able to produce knowledge and technology and produce intellectual, scientific, and professional intellect, creative, tolerant, democratic, strong character and brave to defend the truth for the sake of the nation. Today's competitiveness can no longer rely on natural resources, but the development of human resources is a determinant for the realization of competitive nation.

Pragmatically, the competitiveness of universities shows the readiness of university graduates to enter the workforce. Graduates qualifications are often compared to the qualifications demanded by the world of work, so that universities are encouraged or encouraged to see the needs of the work world as important things to be pursued can be fulfilled through the education process. Based on the achievement of the role of tertiary institutions, particularly UMKT FIKes and UMKT in general, that all components of higher education roles can be achieved even though they are not yet optimal. Over time and the process of development of the UMKT, it can be believed that the results achieved will be able to play well in the community. The UMKT is not only the "University of the Ivory Tower", which cannot be touched by the community, but actually implements what is mandated by the Law directly into the community. Together with the Vision and Mission of the UMKT which focuses on social and environmental aspects, the UMKT will be able to help develop East Kalimantan by working with the government and stakeholders to alleviate poverty in East Kalimantan as the ultimate goal of the UMKT Vision. Conclusion of the role of universities in the FIKes of UMKT that have been carried out, as follows

Tabel 2. Implementation the role of university at FIKes UMKT Tahun 2018

No	The role of university	Achievement the role of university
1	<i>Agent of education</i>	Less optimally
2	<i>Agent of research</i>	Less optimally
3	<i>Transfer knowledge, culture and technology</i>	Less optimally
4	<i>Agent of economic development</i>	Less optimally

The role of universities as education centers: Universities as education centers or seeking knowledge will be seen by the quality of the indicators of the educators, the results of observations in the UMKT that all of their lecturers are qualified S2 or Master, all linear lecturers are between S1 and S2 education levels, there are 6 Doctorates and 3 Doctoral Candidates, and have been planned that in the next five years all Lecturers in the S3 education qualification S3. An important and main indicator in looking at the quality of education is the waiting time for students to get a job (graduate employ ability waiting time) is 2-3 months, many graduates who have not worked according to their scientific fields, the third largest labor recruitment in the largest hospital in East Kalimantan and Recruitment main of one of the hospitals in Samarida [23].

The role of universities as a center for research or research: The main contribution is universities as basic research centers and applicative problems or applied research. Research conducted by the UMKT is social and environmental-based research, collaborative research between lecturers and students and between study programs, competitive grant research by the UMKT or DIKTI as well as national and international journal publication reward systems and patents. The main indicators seen are: there are 135 journal publications, 18 patents and 134 citation.

The role of universities as cultural centers, transferring knowledge and technology: the transfer of culture, knowledge, industry and community entrepreneurs, UMKT conducts many activities related to the transfer of culture and science through the Al-Islam Concept and kemuhammadiyah, Character, Insightful and Progressive UMKT Slogans, superior culture by prioritizing all aspects of higher education management based on IT [20]. This is at the same time very consistent with the concept of appearance which is still simple. Hopefully the UMKT logo can be achieved: IT-Based Paper Less University. The vision and mission of the UMKT that focus on social and environment in an effort to alleviate poverty.

The main components that are important in improving the role of universities are culture, knowledge and technology transfer. The main performance indicator from the transfer of culture, knowledge and technology is the overall quality culture capabilities possessed by the UMKT include: the concept of caring spirituality, character personal building and leaderships. Aspects of industry and community include community empowerment, namely the community in the community to utilize natural resources and human resources to make products (plates of sticks), then market and the results of these funds are made to build a jogging track specifically for the elderly who experience many problems immobility disorders such as gout [3,13].

The Role of University for the Faculty of Health of UMKT could be implemented well even though it less optimally. In order to fulfill the public expectation for the university to serve as an agent of economic development, universities were expected to produce innovations which could provide economic benefits for the public in general. Although the capacity of Indonesian universities in producing innovations which could bring about the real benefits for the public has not been monitored yet as of now, there have been a lot of studies done by the universities which are readily implemented in order to give practical benefits for the public.

In the future, universities should be encouraged and facilitated more so that they can produce innovations which bring practical benefits for the public. Universities have a

heavy burden in fulfilling the people's expectations towards the process and the results of the higher education they are conducting. The process of higher education should combine equally the normative value aspect and the pragmatic realistic aspect, so that it can produce competitive graduates who still possess the characters relevant to the national culture. Moreover, higher education as a part of the national education system serves a strategic role in educating the people and in advancing knowledge as well as technology by implementing sustainable humanities, cultivation and empowerment of Indonesian people.

The role of universities as a place for community economic development His biggest contribution is innovation for national development and competitiveness. Main performance indicators are: 1) innovational: IT based paperless university motto and ITbased governance in all units. 2) Employment: offers an online shopping system (e-comers) to the management study program. 3). Industry: D1 Agricultural vocational and medicinal plants for Pharmacy Study Program. 4) Rp. Generated: Garbage and craft banks, community empowerment in Laokulu, Mental and maternity clinics, and the completed citronella oil.

The Role of the University for the Faculty of Health of UMKT could be implemented well even though it is less optimally. In order to fulfill the public expectation for the university to serve as an agent of economic development, universities were expected to produce innovations which could provide economic benefits for the public in general. Although the university's capacity in producing innovations which could bring about real benefits for the public has not been monitored yet, there have been lots of studies done by the universities which are readily implemented in order to provide practical benefits for the public. In the future, universities should be encouraged and facilitated which brings practical benefits for the public. Universities have a heavy burden in fulfilling the people 's expectations towards the higher education they are conducting.

The process of higher education should combine the normative value aspects and the pragmatic realistic aspects, so that it can produce competitive graduates who still possess the characters relevant to the national culture. Moreover, higher education as a part of the national education system that serves a strategic role in educating the people and in advancing knowledge as well as technology by implementing sustainable humanities, cultivation and empowerment of Indonesian people [12].

VI. CONCLUSION

The role of universities in the Faculty of Health Sciences of UMKT is less optimal, the role that has been carried out is to run the education process well, but need maximum support of facilities, infrastructure and infrastructure so that it will improve the quality of learning and outcome outcomes are competent graduates and give satisfaction to customers and all stake holders.

The role of UMKT as a place of education is quite good, although not yet optimal, especially in terms of facilities and infrastructure that are only in the development stage, but for the learning process, it becomes the main attraction for UMKT to be the people's choice.

The role of the UMKT as a research development topic is currently still less optimally, but in the future the UMKT as one of the universities that has the right planning in developing research at the university by promoting a clear system of research and publication.

The role of the UMKT as a place to transfer knowledge, culture and technology has been carried out to the maximum extent possible, although currently it is still less than optimal. The role of UMKT as a place to develop the economy of the community has been clearly seen for the surrounding community and also in general.

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