

# **THE ADVANCED SYSTEM OF OPEN DISTANCE LEARNING FOR HIGHLANDER SOCIETY OF ARGAPURA MOUNTAIN AS THE MADURA SOCIETIES AT JEMBER REGENCY, EAST JAVA, INDONESIA**

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## **I. Background**

Day by day, technology always help so many people in many ways, including education world. So, Technology always help people in many fields such as education. All people always feel comfortable with the technology presenting. In education, technology always be developed as the needed. That's why, the system of educational serving with technology function always be developed step by step to the appropriate needs for supporting the education program distribution needed.

Technology has their special performance when it used by someone. In this case, technology to be part of the advanced system for supporting education program distribution needed. Specially in Open Distance Learning University, Technology and the advanced system are two parts that never be separated for education serving to the public. Here, we can take the sample of technology and advanced system is used when Open University serves so many people in the world and all over nations and races, including highlander society of Argapura Mountain as the Madura Societies at Jember Regency, east Java, Indonesia.

Highlander serves as “a catalyst for grassroots organizing and movement building in the South, supporting the efforts of people fighting for justice, equality and sustainability to take collective action to shape their own destiny. The founding principle and guiding philosophy of Highlander is that the answers to the problems facing society and the keys to grassroots power lie in the experiences of ordinary people” (Highlander Research and Education Center, 1959 Highlander Way, WK Kellogg Foundation, 2017).

The highlander society of Argapura Mountaint has specific charateristic such ignore with education, much more attention to the bussiness living, agriculture living and trade living. They will not like to get much more time for studying and learning, specially in University. They never know the advantage to get higher education for the their future and pay less money for education. That's why, Open Distance Learning of Jember has more heavy duties for distributing their education program till the society has educational orientation changing. Open University of Jember has advanced system that be provided and developed time by time for jember regency people and argapura mountain societies serving.

## **II. Main Problems**

The Problems here, are Open University will get much more obstacles when Open university of Jember never using advanced system of services and technology being developed all the time. Open University will face several obstacles such as :

1. Long distance between Open University with the Argapura Sociaty and Jember people.
2. Not trying for serving of educational system for reach out the people as many as possible for getting higher education.
3. Very little information for higher education will make all people in this area will never be interested with higher education.

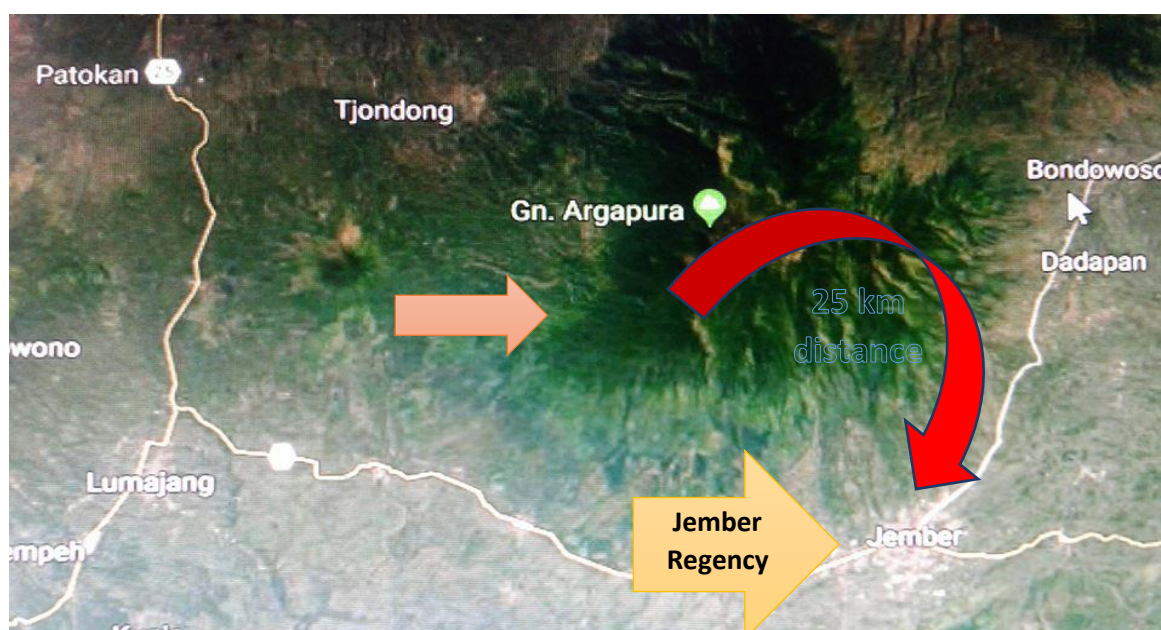
**To resolve all the problems, Indonesia Open University give much more attentions to develop the system of educational serving in it. We call it “Advanced System” that being introduced to the public. All Mechanism of Advanced System at Indonesia Open University works always be connected with technology all the way it is.**

### III. Main Discuss

The most importance problems here are how to make education programs of Open distance learning can be absorbed by all people in this area (Jember Regency and Argopuro Mountain) without exception and reached out for anyone from all lays of society living.

Here, we are, we can know the geography of the highlander of maduras society which living at the top of Argapura mountain. They are living on the top of the Argapura mountain which hasmiles or kilometres far away from the centre of the Jember Regency and want to enjoy for their higher education. They want to get higher education for the future just like another people in other side of world.

Open University has also reponsibilities to bring their dream untill the all people can reach out their want and dreaming to be what they want to such as S-1/S-2 student and pass as the s1/s2 graduader.



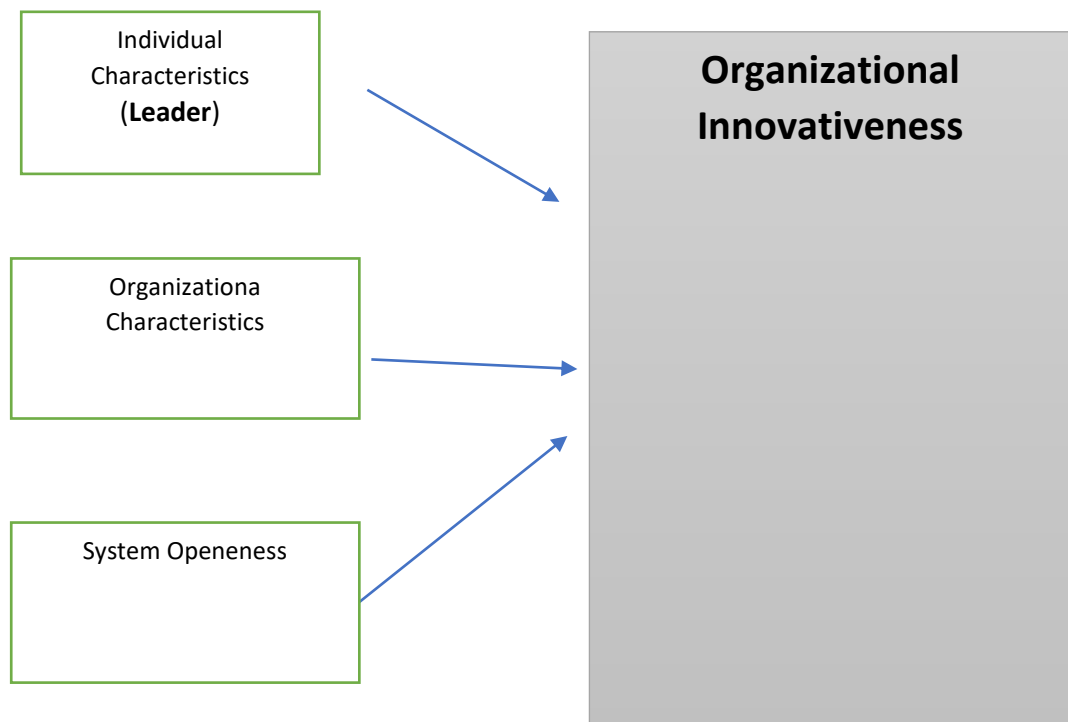
Here, open University has several ways for resolve the problems with many strategies in it, such as : Make advanced system with advanced technology and improving the relationship with all people at the area. Beside, Increasing Socialization and promotions programs of Open University with all electronic media and Internet, brosure or pamflet all the time without stop. We also make visitation programs for the religi or ceremonial program at the area to introducing Open University.

From the many, many ways for resolving the problems is the Advanced System of Open Distance Learning University has high priority for improving and developing all the time. Because the Advanced System and technology can be the only one effective media for serving and distributing many kinds of Open University's programs itself. Also, **Advanced System** for Information System services and all services are important factors in assuring the competitive advantage and eventual profitability of the firm. On the other hand, in governmental organisations IS on **Advanced System improvement** are just as crucial, but from another perspective, in terms of responsiveness, Introduction 2 efficiency, and productivity (**Beaumaster, 1999**). In defense organisations they also share the same objectives as many private-sector corporations: for instance they are striving to decrease costs by redesigning and integrating processes. Hence defense organisations require IS with the integrated system and technology platform both within and across the organisation in order to achieve greater visibility and affordable operational readiness.

Baldwin and Diverty[1]defined **Advanced System and Technology** is “a group of integrated hardware-based and software-based technologies which if properly implemented, monitored, and evaluated, will lead to improving the efficiency and effectiveness of the firm in manufacturing a

product or providing a service”, Such as: **application system to make easy the works, application for making easy for services works, Software of various services, electronic account system for control of the customer services, etc.** Kotha and Swamidass [2] classified **Advanced System and Technology** in **four categories**: **1. product design technologies, 2. process technologies, 3. logistics/planning technologies, and 4. information exchange technologies.**

Also, another hand, The **advanced system** here is related with Innovation of organization and organization management. Innovativeness is related to such independent variables as individual (leader) characteristics, internal organizational structural characteristics, and external characteristics of the organization. (a) Individual characteristics describes the leader attitude toward change. (b) Internal characteristics of organizational structure includes observations according to **Rogers** (1995) whereby: **“centralization is the degree to which power and control in a system are concentrated in the hands of a relatively few individuals”**; **“complexity is the degree to which an organization’s members possess a relatively high level of knowledge and expertise”**; **“formalization is the degree to which an organization emphasizes its members’ following rules and procedures”**; **“interconnectedness is the degree to which the units in a social system are linked by interpersonal networks”**; We can see also about the diagram below about the explanation of Organization Innovation to the **Advanced System** and the changing of organization living all the time and whole it’s life.



**Diffusion of Organization Innovation (Roger ; 1995)**

According to **Roger s theory** above, External Characteristic is about System Openess. So, there must be System Openess for opening the changing try in the Organizational that will make a achanging for whole life of the system and programs at the Organization. System Openess has been up graded by technology and information and socialization try. It is also related with Institutional theory, too.

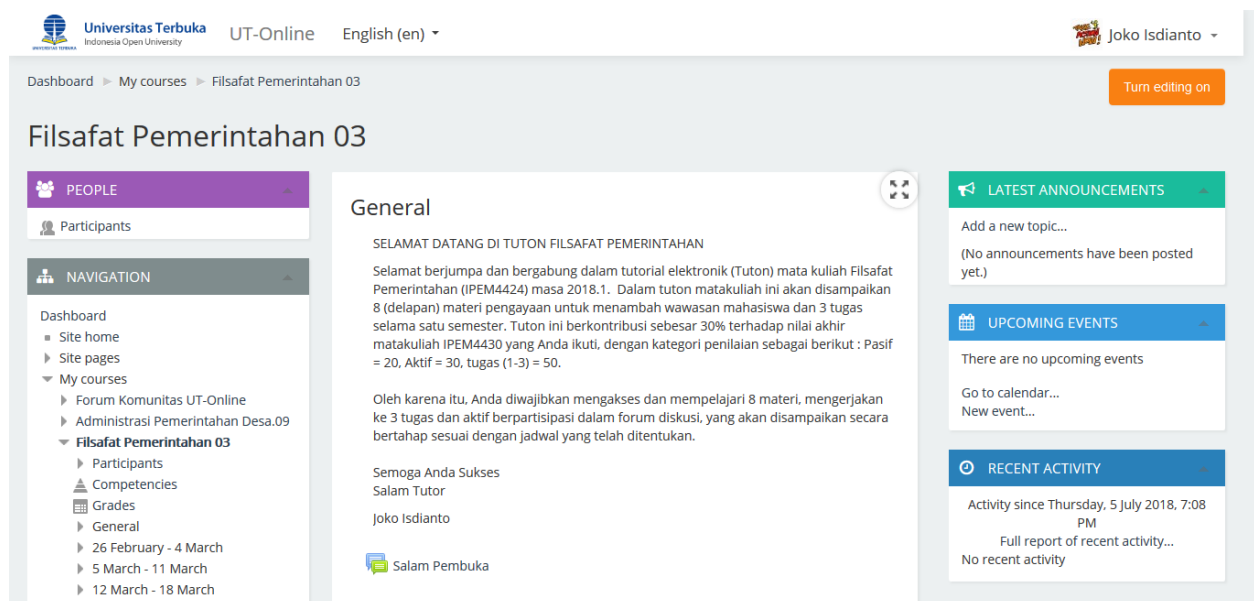
Institutional theory emphasizes that institutional environments are crucial in shaping organizational structure and actions (**Scott and Christensen 1995, Scott 2001**). According to the institutional theory, organizational decisions are not driven purely by rational goals of efficiency, but also by social and cultural factors and concerns for legitimacy. Institutions are transported by cultures, structures, and

routines and operate at multiple levels. The theory claims that firms become more similar due to isomorphic pressures and pressures for legitimacy (Dimaggio and Powell 1983). This means that firms in the same field tend to become homologous over time, as competitive and customer pressures motivate them to copy industry leaders. For example, rather than making a purely internally driven decision to adopt e-commerce, firms are likely to be induced to adopt and use e-commerce by external isomorphic pressures from competitors, trading partners, customers, and government. That's why we can see also the changing of institutional from the environments according to Institutional theory., we have also the examples of both theory, Institutional Theory and Organization Theory, like stated below :

We can see the pictures below are the results of the System Openness from the External Characteristic that make all system to be advanced all the time, to be up graded system step by step with all the connectivity with technology, information system.



This is one part of the advanced system try of Open University Services for all students in all departements. They can use this for free and no charge, that's why they use this for getting material of study and have a good marks after it and very enjoy the study model with online tutorial. With this, all capabilities of Indonesia Open University can be increased step by step, just like this one : we can find another kind of education services, such as Online Examination, Online Tutorial.



## PEOPLE

Participants

## NAVIGATION

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UT-Online

## Filsafat Pemerintahan 03

## Participants

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- Joko Isdianto
- Competencies
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    - 5 March - 11 March
    - 12 March - 18 March
    - 19 March - 25 March
    - 26 March - 1 April
    - 2 April - 8 April
    - 9 April - 15 April
    - Pertemuan ke-8, 17 April 2017 - 23 April 2017
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    - Reports
  - Gradebook setup
  - Outcomes
  - Backup
  - Question bank
  - Legacy course files

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## MY COURSES

- Forum Komunitas UT-Online
- Administrasi Pemerintahan Desa.09
- Filsafat Pemerintahan 03
- Hubungan Pusat Daerah 05
- Perubahan Sosial dan Pembangunan 01
- Perbandingan Pemerintahan 03
- Pendidikan Kewarganegaraan. 77
- All courses ...

## Participants

My courses

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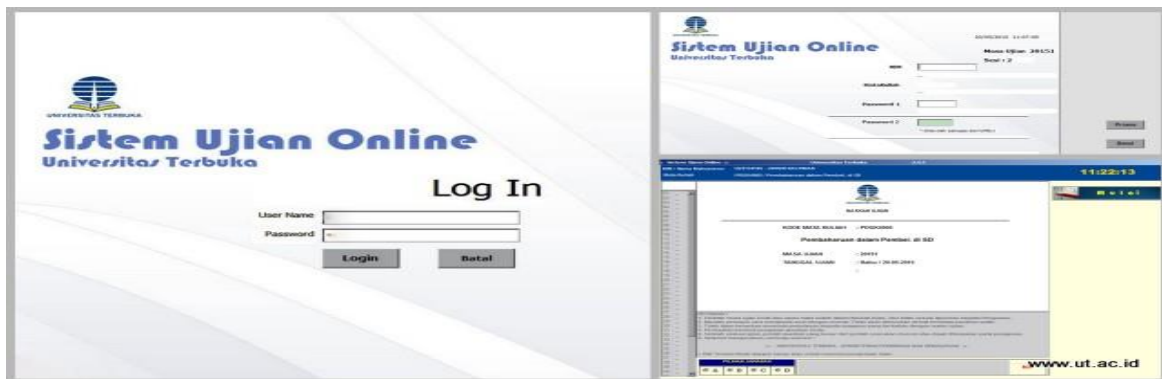
Joko Isdianto

## RECENT ACTIVITY

Activity since Thursday, 5 July 2018, 7:10 PM  
Full report of recent activity...  
No recent activity



Beside, Improving the Online Tutorial with various lectures for all departments at Open university, The Advanced System of Open University serving also has been up graded with **The Online Examination** presenting for all students at Open University. Here, we can find the other services of long distance education programs.



This System can be reach out for all people in this area, specially at Jember Regency that well known with the higher mountain, Argopuro Mountaint which has difficult geography.

Here, we can know about the living of the Argopuro Mountain living with all the originality in it, such as : the nature, the culture social living and their original ways of thinking about educational living. They has taken all the opportunities for developing their education living by join with us, Indonesia Open University.



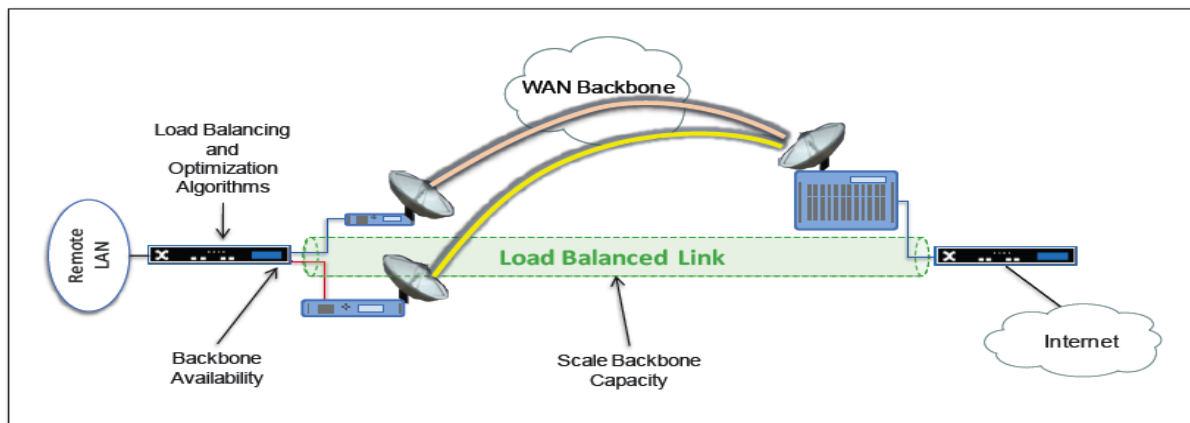
The geography of Argopura Mountaint with originality of Nature and People here, always make the trying hard for developing and increasing capabilities of them all.



When we see about the geography of the Jember Area, we can't think that Distance learning is impossible to be developed in this area. But, the facts, It can be provided and developed all the time with satellite by using hardware and software at the Open University. So, It easy for the distributing all education programs on the top of Argopuro Mountain.

**Local 1, Local 2** and **Local 3**, are discribed as the difficulties area for receiving the signal or modulation, even for developing educational programs because of the simple ways of thingking from the people here.

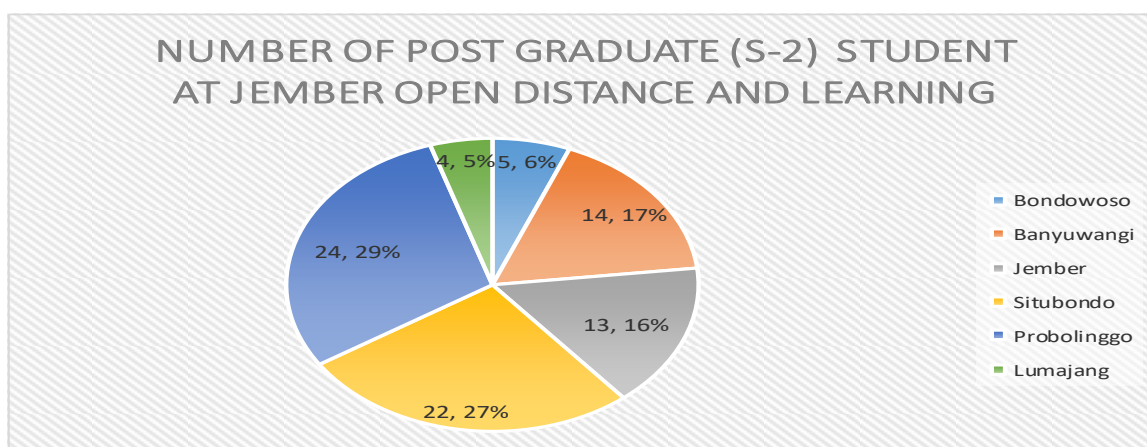
#### The Advanced System of Internet Using and Education Programs for broaden Education Services



But, we still use the operator of the cellular provider such as : Telkomsel as the signal receiver of internet activities on the top mountaint. All people in this area, on the top ofthe mountaint always TELKOMSEL provider for using internet. They can follow Online Tutorial on the top mountaint with the facilities from both of us, Telkomsel and Indonesia Open Distance Learning University. That's why the students number of Open University is much more add each year.

Here, we can see the datas below about the number of Magister Students at Open Distance Learning of Jember that show the high motivation for study in the higher education with Distance Learning ways, Specially with Internet and Online System as the Advanced System.

They are all maduras society that have higher motivation to get their dreaming for their future. They are choosing Open University as the ways for reach out each dreaming because Indonesia Open University is simple way to reach out their dreaming.

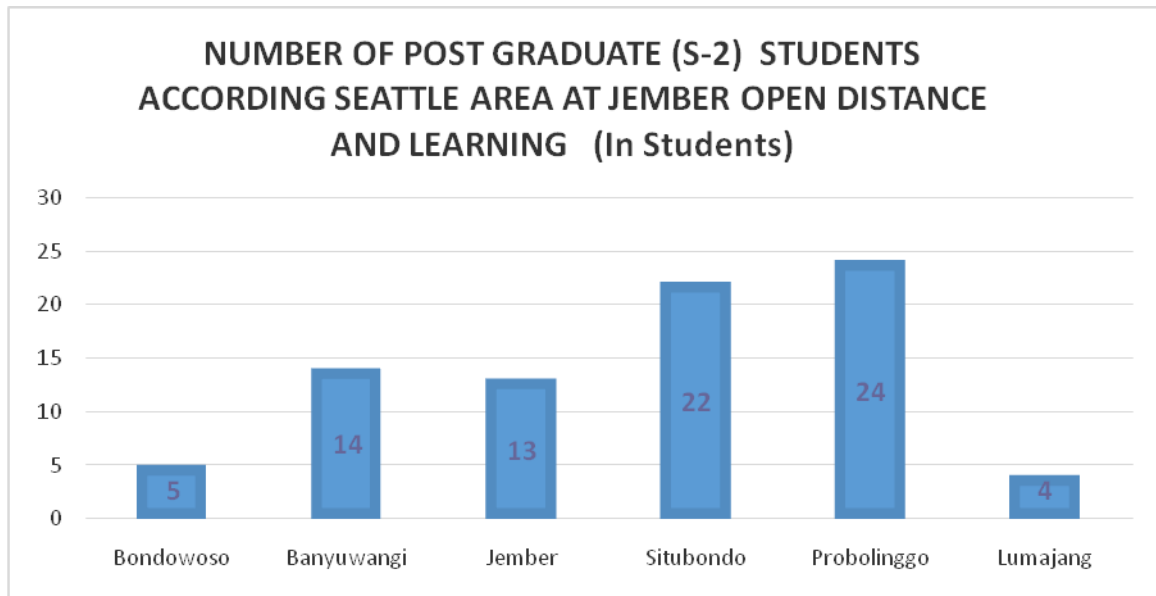


Data 2017, Upbjj-UT Jember

When we see the datas above, we will think that the people at this area surround has been improved their motivation into better education living with Open Distance Learning University. All they want is to be the

graduader of the Magister/Master at Open University. So, the trying of Open Distance Learning University to spread out the long distance education programs has got the result, even better result than before (before ther is Advanced System and Technology).

**Datas of Online Tutorial Using at Jember ODL UNIT OFFICE**  
**POST GRADUATE PROGRAMS 2015-2016**

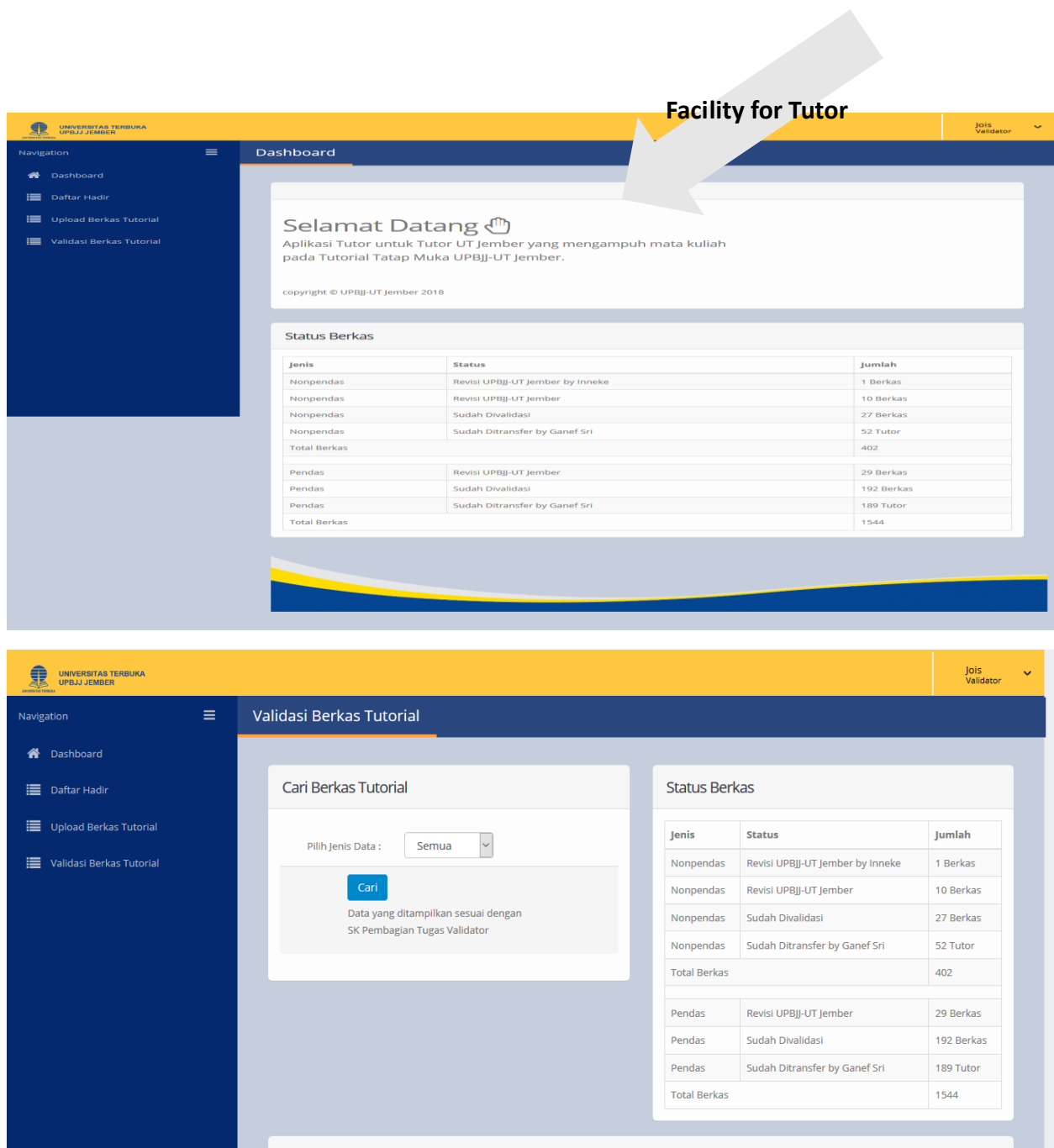


**Sources: Jember ODL Office 2015-2016**

The graph shows about the increasing of the students number of S-2 students. The Increasing is step by step happenly. All because the people in this area has understood about the simple mechanism of study at ODL Unit of Jember. They can enjoy magister program here because much more online facilities they get.

All mechanisms in front of them (all ODL Unit) has been fixed and improving step by step with the current extra monitoring from the Open University, even ISO auditing always run regularly at all ODL Unit. Everyone has taken care about the qualities, today. Not only works targetting but there is good result of the proceess also.





This is the **Tutor Application System**, one of the part in the fixing works at ODL of Jember as the quality control for face to face tutorial datas from all tutor educatif at Jember works area. So, we can control the types of tutors works from long distance. They can also enjoy for correcting the tutor works one by one without exception. No one can reject their work correction from ODL Office with this application.

To do right and to do the best is the motto in their works, today. No one reject this motto that make their increasing work motivation step by step.

Tutor Application make all tutor works can be controlled easily and nice. All can be done in the same time with relaxing, focused and very concentrad.

## IV. Conclusion

To develop and increase the Education Program by Open and Learning Distance Program is something new to make up the education program with new package. With all brand new in it and new strategies behind. Because it is impossible for us to build up the programs without any problems solving behind that supporting all the mechanism. Here, Indonesia Open University with the new characteristic program and advanced system and technology has been up grade, specially its system has advanced all the time to get effectiveness and efficiency of the firms or office planning. That's why, they want to answer all the challenge in front of their institutions.

The advanced system is not only including network area, internet network or technology capacity, but also about networks for the socialization and promotion network, specially system of the marketing and informations for public. Open University has been up grade into large scale University with all facilities for its student. With all mechanism that very simple has been given for its student all the time.

## References

1. Rogers, E.M. (1995) *Diffusion of innovations, Fourth Edition* ed., New York, Free Press.
2. Bradford, M. and Florin, J. (2003) **Examining the role of innovation diffusion factors on the implementation success of enterprise resource planning systems**, "International Journal of Accounting Information Systems", Vol. 4, No. 3, p 205-225.
3. Raj T, Shankar R, Suhaib M. **A review of some issues and identification of some barriers in the implementation of FMS**. *International Journal of Flexible Manufacturing Systems*, 2007, (1): 1–40.
4. Ghani K A, Jayabalan V. **Advanced manufacturing technology and planned organizational change**. *The Journal of High Technology Management Research*, 2000, (2): 1–18.
5. Guide and Workshop, **Highlander Research and Education Center**, 1959 Highlander Way. WK Kellogg Foundation, 2017.
6. Student Record System (SRS), *Open Distance Learning Unit of Jember*, 2016.
7. Student Record System (SRS), *Open Distance Learning Unit of Jember*, 2017.