

Empowerment Academic Data as the Basis of Mapping Priority Program of Quality Assurance Organization

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Abstract—This study was inspired by the confusion of academic data at Postgraduate Program. Improving data by relying on the SIAKADU program as the mainstay of PPTI State University of Surabaya (Unesa) is just a pile of data that has no meaning. Therefore, through this evaluative research, the data collected in SIAKADU program is evaluated and processed to obtain information and have meaning. Through the technique of collecting data from SIAKADU application, the results can be obtained as follows: (1) SIAKADU academic data that can be studied includes; (a) menu of Course Lesson Plan (RPS), (b) menu of print order by lecturer, and list of Final Test/Midterm Test questions, (c) menu of lecturers questionnaire and registration per semester; (2) The programs produced in this study include; (a) planning an intensify learning devices program to the lecturers through massive collection by the head of the Study Program with UPM, (b) limitation on the number of course subjects that postgraduate lecturers must teach based on the scientific capabilities, (c) optimizing the doctoral staff potential to assist professors in teaching, so that a mature scientific development occurs from their seniors, (d) increasing an intense communication between heads of study programs and UPM in order to carry out balanced academic functions; (e) academic mentoring program by optimizing the role of academic supervisors for postgraduate and doctoral students who had run out their maximum time of courses.

Keywords: *Data analysis, siakadu, work program, and academic section*

I. INTRODUCTION

Data is a plural word from datum. The plural data will have no meaning if it is not touched by human hands and minds to be processed into data which will provide accurate information. Academic data in each department at UNESA collected through the SIAKADU program is quite a lot. However, if it is not be processed it will only be a pile of information that does not give meaning to the institution. The real example of data about the number of students in the SIAKADU program can be accessed orderly in every semester. This data only provides information about the name and number of each class. When the data is put together into a single unit that is processed, it will be very meaningful information related to the mapping of socialization programs for new student recruitment, preparation of completion programs for student graduation, preparation of accelerated study programs, student problem solving assistance programs, etc.

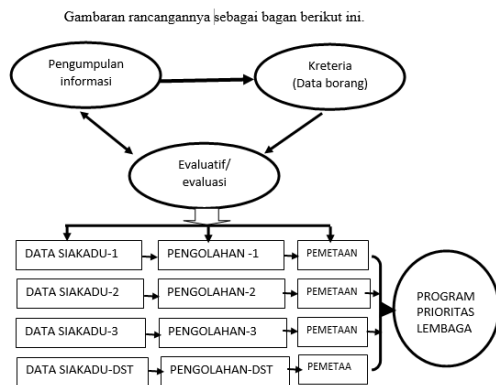
The interim result study of postgraduate quality assurance division found meaningless data except only information on names, classes, and the number of students as illustrated below:

data, or can be interpreted as data that has meaning. Information will open the unknown things.

II. RESEARCH METHOD

The research design used in this study is evaluative research by collecting the documents from SIAKADU program developed by PPTI as the data sources. Academic data in SIAKADU program will be evaluated based on the criteria of data needed by accreditation forms for managers. The evaluation result will be analyzed quantitatively and qualitatively as the basis for determining academic priority programs in the institution.

The description of the design is as follows.



Bagan: 1 Rancangan Penelitian Evaluasi (Adaptasi Arikunto, 2010)

The object of this research are the academic data stored in SIAKADU of Unesa postgraduate program. Those are student condition data, student GPA data, student guidance data, teaching journal data, student graduation data, teaching schedule data, lecturer teaching hours distribution data, etc [9].

Observation was conducted to collect the data by observing the data stored in SIAKADU and did documentation by accessing and downloading the data stored in SIAKADU, after that it will be inventoried based on the type of data, then evaluated.

Furthermore, the data collected will be analyzed using flow analysis models, the data obtained was directly flows to be arranged narratively both quantitatively and qualitatively [10], so the results can provide a clear information as a basis for mapping institutional priority programs.

III. RESULTS AND DISCUSSION

A. RESULTS

An overview of the data contained in SIAKADU is by logging in as the Head of the Postgraduate Quality Assurance. The entire menu in SIAKADU of postgraduate program is identified to be analyzed so it can be a real work program for GTM. There are 3 (three) main menus in SIAKADU: (1) Courses and Curriculum, including sub menu for RPS; (2) Lectures, including sub-menus; (a) class and schedule (print order by day; print order by class, print order by room, print order by lecturer, print order by lecturer (global), (b) list of Final Test/Midterm Test questions, (c) print class data (attendance, summary of attendance, print

DPNA, BA Final Test, Exam attendance, Print journal, BM attendance), (d) Graduation Process and Graduation Ceremony; (3) Report, including sub-menus; (a) summary (summary of lecturer's questionnaire, summary of journals, registration per semester, and registration per semester All), (b) questionnaire (students and graduation, number of lecturers/class, study program's lecturer data, permanent lecturers activity, research activity, service activity, distribution of lecturer's homebase), (c) graduate profile (graduate statistics, and summary of graduates' GPA), (d) print main book. Each menu was identified and selected to be analyzed according to the needs of the accreditation forms. The results of data analysis in SIAKADU can be described as follows.

Course Lesson Plan (RPP) as research material

RPS data in Postgraduate program was available on SIAKADU Unesa. However, after open the SIAKADU, all of 23 study programs of postgraduate and doctoral program still not fulfill their obligation to submit journals through the postgraduate website. During brainstorming between head of study programs, the obstacle faced by them is not all classes have a good internet network, so they cannot directly access the internet during lectures. It shows in table 1.

Table 1. RPS condition of Postgraduate and Doctoral Program Unesa

| NO | STUDY PROGRAM | COURS E | RPS CONDITION | | |
|------------|-------------------------------|---------|---------------|--------------|-----------------|
| | | | VALIDA- TED | UNVALID ATED | NOT AVAIL -ABLE |
| 1 | S2 BK | 12 | 2 | - | 10 |
| 2 | S2 Manj | 20 | 20 | - | - |
| 3 | S2 Manajemen Pendidikan | 33 | 10 | 2 | 21 |
| 4 | S2 Bahasa dan Sastra | 119 | 25 | 2 | 92 |
| 5 | S2 Pendidikan Dasar | 51 | 15 | 1 | 35 |
| 6 | S2 Pendidikan Ekonomi | 50 | 8 | 3 | 39 |
| 7 | S2 Pendidikan Geografi | 14 | 11 | 3 | - |
| 8 | S2 Pendidikan IPS | 27 | 8 | 2 | 17 |
| 9 | S2 Pendidikan Luar Biasa | 19 | 6 | 6 | 7 |
| 10 | S2 Pendidikan Luar Sekolah | 17 | - | 8 | 9 |
| 11 | S2 Pendidikan Matematika | 21 | 2 | 2 | 17 |
| 12 | S2 Pendidikan Olah Raga | 29 | 5 | 3 | 21 |
| 13 | S2 Pendidikan Sains | 48 | 13 | 1 | 34 |
| 14 | S2 Semi Budaya | 30 | 13 | 1 | 16 |
| 15 | S2 Pendidikan Teknik Kejuruan | 36 | 7 | 2 | 27 |
| 16 | S2 Teknologi Pendidikan | 27 | 1 | - | - |
| 17 | S3 Ilmu Keolahragaan | 23 | 3 | 1 | 19 |
| 18 | S3 Manajemen Pendidikan | 21 | 8 | - | 13 |
| 19 | S3 Pendidikan Bhs dan Sastra | 36 | 2 | - | 34 |
| 20 | S3 Pendidikan Matematika | 19 | - | - | 19 |
| 21 | S3 Pendidikan Sains | 18 | 1 | - | 17 |
| 22 | S3 Pendidikan Vokasi | 15 | 2 | 7 | 6 |
| 23 | S3 Teknologi Pendidikan | 13 | 1 | - | 12 |
| Total | | 698 | 164 | 44 | 465 |
| Percentage | | | 23.49 % | 6.30 % | 66.62% |

(Sources: Siakadu.unesa.ac.id Tahun 2018)

This data can be analyzed that RPS should have 698 courses, 23.49 % (164 MK) validated, 6.30 % (44 MK) not validated, dan 66.62 % (465 MK) still not available in RPS. This result can be used to arrange the work program as follows; (a) Planning a program to intensify learning devices for lecturers through massive collection by the head of the study program with UPM, (b) The sanctions for lecturers who do not upload RPS on the PPTI application system should be practiced, (c) Discipline the lecturer's performance through online systems from learning devices to assessment, (d) The implementation of curriculum restructuring must be completed up to the RPS.

Class and Schedule as research material

Class and Schedule data from menu *print order by lecturer* and combines with the result of identification data from questionnaire, will get information about teaching distribution and the real number of postgraduate lecturers.

The raw data from SIAKADU in menu *print order by lecturer* was shown as follows.

This real condition can be analyzed to make work program for academic section, as follows: (1) The distribution of teaching hours for postgraduate lecturer based on their capabilities and qualifications, (2) Limitations on the number of subjects that postgraduate lecturers must teach based on scientific capabilities, (3) The implementation of assistance program or apprenticeship for junior lecturers to senior lecturers, also to minimize lecture emptiness, because team teaching has been implemented, (4) Socialization of remuneration regulations to lecturers to minimize the imbalance teaching hours at postgraduate program.

Table 2. Course Lecturer (example)

| STUDY PROGRAM : S2 LANGUAGE AND LITERATURE EDUCATION | | | |
|--|------------|-----------------------------------|---|
| NO | NIDN | NAME OF LECTURERS | SUBJECTS |
| 1 | 0004087605 | Ahmad Munir, S.Pd., M.Ed., Ph.D. | Gasal: English As An International Language/Sociology of Literature/ Psycholinguistics/General Outlook of Literature/ Comparative Literature/Thesis Proposal Seminar. Genap: Innovation in Language and Literature Pedagogy/Tesis/Shuushi Ronbun/Sosiolinguistics/Methods of Research in Linguistics and Language Teaching/ Methods of Research in Literature/ Literary Criticism/ Theses |
| 2 | 0021047606 | Didik Nurhadi, M.Pd., M.A., Ph.D. | Gasal: Deutsch/Bungaku Gengo Kyouiku Kiso/ Shuuri Gengogaku/Praktatik/ Psikolinguistik/Pemerolehan Bahasa Genap: Forschungsmethoden Von Sprachen Und Spachlehre/ Gengo to Sonok Yoju No Kenkyuho/ Unterrichtsentwurf/ Bungaku Gengo Kyouiku Desain |
| 3 | 0014067509 | Dr. Ali Mustofa, S.S., M.Pd. | Gasal: Stylistics/ General Outlook of Literature Genap: Comparative Literature/ Method of Research in Literature/ Literary Criticism |
| 4 | 0016056002 | Dr. Budimuryanta Yohanes, M.Pd. | Gasal: Nihongo/ Gengogaku/ Kyouiku/seido Tetsugaku Thesis Proposal Seminar/ Bungaku Gengo Kyouiku Kiso/ Pragmatik/ Comparative Literature/ Shuuron Keikaku/ General Outlook of Literature/Pemerolehan Bahasa/ Sociology of Literature/Psycholinguistics Genap: Linguistik Terapan/Tesis/ Shuushi Ronbun |
| 5 | 0019026602 | Dr. Diding Wahyudin R., M.Hum. | Gasal: Seminar Proposal Tesis Genap: Evaluasi Pembelajaran Bhs dan Sastra |
| 6 | 0001085302 | Dr. Kamidjan, M.Hum. | Gasal: Stilistika Genap: Forschungsmentoden Von Literaris Werken/ Bungaku Kenkyuho |

Based on the result of questionnaire, it can be analyzed with academic program as follows; (1) rearrangement of teaching hours based on scientific fields, not based on functional positions or structural positions, (2) optimizing the doctoral staff potential to assist professors in teaching, so that a mature scientific development occurs from their seniors, (3) limitation on the number of subjects that lecturers can teach outside the home base, so it is not look like a scientific expansion.

List of Final Test/Midterm Test questions as research material

The source of this data is from SIKADU in menu *lectures*. The data showed lecturers’ activities on doing evaluation both for Midterm Test and Final Test. Data filled in SIAKADU of postgraduate program shows the representative level of seriousness of postgraduate lecturers in teaching. The level of seriousness and concern on their duty are shown in Table 3.

Table 3. The condition of study program in uploading Midterm and Final test questions

| NO | STUDY PROGRAM | SMT 2017/2018 | Σ COURSES | SUBJECTS TESTED | | NOTE |
|----|-------------------------------|---------------|-----------|-----------------|------------|------|
| | | | | MIDTERM TEST | FINAL TEST | |
| 1 | S2 Bimbingan Konseling | Gasal | 8 | 2 | 2 | |
| | | Genap | 8 | 2 | 2 | |
| 2 | S2 Manajemen | Gasal | 17 | 7 | 7 | |
| | | Genap | 8 | 0 | 0 | |
| 3 | S2 Manajemen Pendidikan | Gasal | 32 | 12 | 6 | |
| | | Genap | 21 | 0 | 0 | |
| 4 | S2 Pendidikan Bhs dan Sastra | Gasal | 79 | 15 | 7 | |
| | | Genap | 65 | 12 | 12 | |
| 5 | S2 Pendidikan Dasar | Gasal | 71 | 0 | 0 | |
| | | Genap | 66 | 1 | 1 | |
| 6 | S2 Pendidikan Ekonomi | Gasal | 28 | 1 | 1 | |
| | | Genap | 23 | 0 | 0 | |
| 7 | S2 Pendidikan Geografi | Gasal | 14 | 4 | 5 | |
| | | Genap | 6 | 4 | 4 | |
| 8 | S2 Pendidikan IPS | Gasal | 19 | 4 | 4 | |
| | | Genap | 14 | 0 | 0 | |
| 9 | S2 Pendidikan Luar Biasa | Gasal | 12 | 9 | 10 | |
| | | Genap | 6 | 3 | 3 | |
| 10 | S2 Pendidikan Luar Sekolah | Gasal | 8 | 0 | 0 | |
| | | Genap | 5 | 0 | 0 | |
| 11 | S2 Pendidikan Matematika | Gasal | 36 | 0 | 0 | |
| | | Genap | 13 | 0 | 0 | |
| 12 | S2 Pendidikan Olah Raga | Gasal | 54 | 0 | 0 | |
| | | Genap | 20 | 0 | 0 | |
| 13 | S2 Pendidikan Sains | Gasal | 53 | 27 | 26 | |
| | | Genap | 42 | 21 | 16 | |
| 14 | S2 Pendidikan Seni Budaya | Gasal | 14 | 14 | 14 | |
| | | Genap | 9 | 0 | 0 | |
| 15 | S2 Pendidikan Teknik Kejuruan | Gasal | 38 | 0 | 0 | |
| | | Genap | 22 | 1 | 1 | |
| 16 | S2 Teknologi Pendidikan | Gasal | 14 | 0 | 0 | |
| | | Genap | 12 | 3 | 3 | |
| 17 | S3 Ilmu Olah raga | Gasal | 12 | 0 | 0 | |
| | | Genap | 10 | 0 | 0 | |
| 18 | S3 Manajemen Pendidikan | Gasal | 17 | 7 | 4 | |
| | | Genap | 12 | 0 | 0 | |
| 19 | S3 Pendidikan Bhs dan Sastra | Gasal | 12 | 2 | 0 | |
| | | Genap | 7 | 0 | 0 | |
| 20 | S3 Pendidikan Matematika | Gasal | 7 | 0 | 0 | |
| | | Genap | 5 | 0 | 0 | |
| 21 | S3 Pendidikan Sains | Gasal | 12 | 0 | 0 | |
| | | Genap | 10 | 0 | 0 | |
| 22 | S3 Pendidikan Vokasi | Gasal | 6 | 0 | 0 | |
| | | Genap | 6 | 1 | 0 | |
| 23 | S3 Teknologi Pendidikan | Gasal | 13 | 0 | 0 | |
| | | Genap | 6 | 1 | 1 | |

Based on Table 3, the data can be analyzed as an academic program as follows; (1) reaffirmation of the quality procedures and academic guidelines about the form of the question and the decision to upload or not the question on SIAKADU depends on the head of postgraduate program, (2) increasing an intense communication between heads of study programs and UPM in order to carry out balanced academic functions, (3) review the monitoring and evaluation instruments about Midterm Test and Final Test, (4) accelerated program for postgraduate lecturers to raise their awareness towards IT developed by institutions through SIAKADU.

Registration Recapitulation per Semester as research material

The source of this data is from SIAKADU in menu *Registration per Semester*. The data showed the real condition of students per semester until the year registration 2017.2. Data has been inventoried in tabulation and needs to be analyzed to develop academic program. The summary of registration per semester can be seen in Table 4 as follows.

Data in table 4 showed that there is a lot of postgraduate and doctoral students have finished their courses. Based on the analysis result of real condition of students in a year class 2014, 2013, and 2012, there are 179 students still registered as a student at year registration 2018.1.

Table 4. The real condition of postgraduate students in year 2018.1

| No | Study Program | Students' Real Conditions | | | | | | | Num of Students |
|-------|----------------------------|---------------------------|------|------|------|------|------|------|-----------------|
| | | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | |
| 1 | S2 Bimbingan Konseling | 13 | 21 | - | - | - | - | - | 34 |
| 2 | S2 Manajemen | 18 | 6 | 9 | - | - | - | - | 33 |
| 3 | S2 Manajemen Pendidikan | 21 | 34 | 18 | - | - | 2 | 1 | 78 |
| 4 | S2 Pend. Ehs dan Sastra | 44 | 79 | 67 | 21 | 13 | 5 | 2 | 231 |
| 5 | S2 Pendidikan Dasar | 90 | 131 | 98 | 10 | 3 | 3 | 3 | 338 |
| 6 | S2 Pendidikan Ekonomi | 10 | 36 | 13 | 1 | - | - | - | 60 |
| 7 | S2 Pendidikan Geografi | 4 | 5 | 6 | - | - | - | - | 15 |
| 8 | S2 Pendidikan IPS | 17 | 37 | 9 | 6 | - | - | - | 69 |
| 9 | S2 Pendidikan Luar Biasa | 16 | 22 | 6 | 7 | 2 | - | - | 53 |
| 10 | S2 Pendidikan Luar Sekolah | 5 | 1 | 5 | 5 | - | - | - | 16 |
| 11 | S2 Pendidikan Matematika | 28 | 50 | 49 | 14 | 7 | - | 1 | 149 |
| 12 | S2 Pendidikan Olah Raga | 18 | 53 | 23 | 11 | 4 | - | 1 | 110 |
| 13 | S2 Pendidikan Sains | 57 | 42 | 33 | 21 | 10 | 8 | 6 | 177 |
| 14 | S2 Pend. Seni dan Budaya | 20 | 17 | 31 | 6 | 1 | - | - | 75 |
| 15 | S2 Pend. Tek i & Kejuruan | 17 | 19 | 24 | 16 | 5 | 1 | - | 82 |
| 16 | S2 Teknologi Pendidikan | 13 | 16 | 3 | - | 1 | - | - | 33 |
| 17 | S3 Ilmu Keolahragaan | 1 | 12 | 17 | 18 | 4 | 1 | - | 53 |
| 18 | S3 Manajemen Pendidikan | 16 | 25 | 10 | 16 | 6 | 4 | - | 77 |
| 19 | S3 Pend. Ehs dan Sastra | 12 | 28 | 16 | 10 | 1 | 8 | 8 | 92 |
| 20 | S3 Pendidikan Matematika | 11 | 5 | 10 | 10 | 11 | 12 | 5 | 64 |
| 21 | S3 Pendidikan Sains | 4 | 6 | 3 | 2 | 5 | 10 | 8 | 38 |
| 22 | S3 Pendidikan Volkasi | 5 | 4 | 4 | - | - | - | - | 13 |
| 23 | S3 Teknologi Pendidikan | 7 | 17 | 5 | 18 | 7 | 2 | 6 | 62 |
| Total | | 447 | 666 | 459 | 201 | 82 | 55 | 42 | 1.982 |

(Sources: Siakadu Registrasi 2018.1)

This can be used as reference to arrange work program for academic section, as follows; (1) study rescue program to students who have exceeded the maximum time of postgraduate and doctoral study, (2) arrange a program to find out students' problem on exceeded the maximum time of postgraduate and doctoral study, (3) Academic mentoring program by optimizing the role of academic supervisors for postgraduate and doctoral students who had run out their maximum time of courses. The result of academic section's work program can be shown in Table 5.

Table 5. Work program of Academic Section based on data analysis in SIAKADU

| No | Field | Work Program |
|----|--|---|
| 1 | Courses and Curriculum (RPS) | <ul style="list-style-type: none"> a) Planning a program to intensify learning devices for lecturers through massive collection by the head of the study program with UPM. b) The sanctions for lecturers who do not upload RPS on the PPTI application system should be practiced. c) Discipline the lecturer's performance through online systems from learning devices to assessment. d) The implementation of curriculum restructuring must be completed up to the RPS. |
| 2 | Lecture (Class and Schedule Data) | <ul style="list-style-type: none"> a) The distribution of teaching hours for postgraduate lecturer based on their capabilities and qualifications. b) Limitations on the number of subjects that postgraduate lecturers must teach based on scientific capabilities. c) The implementation of assistance program or apprenticeship for junior lecturers to senior lecturers, also to minimize lecture emptiness, because team teaching has been implemented. d) Socialization of remuneration regulations to lecturers to minimize the imbalance teaching hours at postgraduate program. |
| 3 | Lecture (Number of lecturers) | <ul style="list-style-type: none"> a) Rearrangement of teaching hours based on scientific fields, not based on functional positions or structural positions. b) Optimizing the doctoral staff potential to assist professors in teaching, so that a mature scientific development occurs from their seniors. c) Limitation on the number of subjects that lecturers can teach outside the home base, so it is not look like a scientific expansion. |
| 4 | Lecture (Midterm test and Final test questions data) | <ul style="list-style-type: none"> a) Reaffirmation of the quality procedures and academic guidelines about the form of the question and the decision to upload or not the question on SIAKADU depends on the head of postgraduate program. b) Increasing an intense communication between heads of study programs and UPM in order to carry out balanced academic functions. c) Review the monitoring and evaluation instruments about Midterm Test and Final Test. d) Accelerated program for postgraduate lecturers to raise their awareness towards IT developed by institutions through SIAKADU. |
| 5 | Report (Summary of Semester 2018.1 Registration) | <ul style="list-style-type: none"> a) Study rescue program to students who have exceeded the maximum time of postgraduate and doctoral study. b) Arrange a program to find out students' problem on exceeded the maximum time of postgraduate and doctoral study. c) Academic mentoring program by optimizing the role of academic supervisors for postgraduate and doctoral students who had run out their maximum time of courses. |

B. DISCUSSION

The results of this study indicated that data that has been analyzed intensively will create a program for institution. Program that has been produced in this research based on the priority are (1) Planning an intensify learning devices program to the lecturers through massive collection by the head of the Study Program with UPM, (2) Limitation on the number of course subjects that postgraduate lecturers must teach based on the scientific capabilities, (3) Optimizing the doctoral staff potential to assist professors in teaching, so that a mature scientific development occurs from their seniors, (4) Increasing an intense communication

between heads of study programs and UPM in order to carry out balanced academic functions; (5) Academic mentoring program by optimizing the role of academic supervisors for postgraduate and doctoral students who had run out their maximum time of courses.

The function of this data analysis is in line with Deputy Mayor of Magelang, Windarti [11] said that "The availability of data and well understanding of those data will be the key to achieve development accuracy," (September, 25th 2017). Furthermore, all public service provider must have a good understanding about the importance of data to increase the working performance and continuity of public services in Magelang city. Furthermore, data can increase the contribution of public service provider in providing an appropriate, accurate and sustainable primary data and increase awareness of making data as the main instrument in planning, control and basic evaluation of work results. DataGO, said Windarti, is a website-based data management information system as an effort of the City Government of Magelang to improve the quality of data management through the establishment of a structured database, which is able to present high-quality, up-to-date and representative data and statistics.

Information and Statistics Office (Diskominsta) of Magelang City, management and collection of integrated data is expected to be the only data source that can be accessed by all parties. This is intended to avoid inconsistencies and duplication of data which will be used. According to UU No 25 Tahun 2004 about National Development Planning System, stated that development planning is based on accurate and accountable data and information. Catur also explained that each region must strive to have matured sectoral data management with the substance of information that meet all development planning documents. "This is also related to information disclosure to the public. The data presented must be precise and accurate," said Catur when explaining about socialization and exposure of strategic data in commemoration of National Statistics Day in Adipura Kencana hall.

Connolly & Begg [12] gave illustrates several advantages of analyzing data for a research. Several advantages of analyzing data are: (a) get clearer measurement results, (b) reliable identification process, (c) possible to identify important things, (d) can be seen visually so it helps in making decisions quickly and precisely, (e) in business activities, it help the process of identifying problems that require action or decision, (f) have a better awareness of customers potential.

IV. CONCLUSION

The result of this study can be concluded as follows; (1) Academic data which is available in postgraduate SIAKADU, can be evaluated based on the criteria that accreditation form needed especially management form, include: (a) Courses and Curriculum menu with Course Lesson Plan (RPS) as research material, (b) Lecture menu with print order by lecturer and list of Final Test/Midterm Test questions as research material, (c) Report menu with lecturer questionnaire and registration per semester as research; (2) The programs produced in this study include: (a) planning an intensify learning devices program to the

lecturers through massive collection by the head of the Study Program with UPM, (b) limitation on the number of course subjects that postgraduate lecturers must teach based on the scientific capabilities, (c) optimizing the doctoral staff potential to assist professors in teaching, so that a mature scientific development occurs from their seniors, (d) increasing an intense communication between heads of study programs and UPM in order to carry out balanced academic functions; (e) academic mentoring program by optimizing the role of academic supervisors for postgraduate and doctoral students who had run out their maximum time of courses.

Based on the result of this study, it can be suggested as follows; (1) The head of postgraduate program need to act decisively by giving sanctions to the lecturers who intentionally did not do their duty in fulfilling lecture devices, (2) The head of the study program need to improve the communication with UPM so those relationship was established in strengthening academic assignments, especially lecturers' duty on fulfilling the demands of applications in SIAKADU, (3) The program of Postgraduate Quality Assurance Organization must be more operational that the head of study program can implement through the application developed by PPTI Unesa, (4) Intense communication is still needed between units at the postgraduate program to optimize the performance achievement of each unit.

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