Key Performance Indicator Assessment Information System (KPI) Faculty of Engineering Using Website-Based AHP Method

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The research is financed by Asian Development Bank. No. 2006-A171(Sponsoring information) **Abstract**

The main performance indicators (KPI) are ministerial performance targets imposed by the ministry of education on all universities under its auspices. The state university of Surabaya to realize the main performance indicators (KPI) from the ministry divided the performance with 7 faculties. The Faculty of Engineering is one of the 7 faculties that have been targeted by UNESA. The decision-making process from the various alternatives that exist requires the existence of a criterion. One of the methods used in this research is the Analytical Hierarchy Process (AHP) method. Aspects of performance appraisal that will be used as criteria include the following: Performance Assessment Based on the increasing quality of higher education graduates, Increasing the quality of higher education lecturers, Increasing the quality of curriculum and learning, Improved governance of work units within the Directorate General of Higher Education. From some of these weaknesses in monitoring and realizing the main performance. The software serves to monitor the main performance indicators of the engineering faculty by the dean. Based on these problems, it is necessary to conduct a research entitled Information System Assessment of Key Performance Indicators (KPI) of the Faculty of Engineering Using the Website-Based AHP Method. **Keywords:** SPK AHP, *website php, mysql*

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1. Introduction

Key performance indicators (KPI) are service delivery targets imposed by the training service on all tertiary institutions under its protection. Surabaya public universities understand the main performance indicators (IKU) from the department of isolating exhibitions with 7 sources. The design staff was one of the 7 resource persons who received Unesa's goals. To achieve this goal, personnel separate the focus of implementation from offices and study programs. In order to understand the instructions of this exhibition, every time it is done physically, the administrative staff will think that it is difficult to filter the procurement of focuses that have been isolated to majors and study programs. With the manual framework, you need to examine the majors and courses individually by calling and recap individually the focus of achievement for the office and course of study.

From here, the workforce initiative will set aside a lengthy effort to screen execution. To avoid non-targeted evaluation when selecting the best workers, it is important to have techniques that can assist and work with the organization in making decisions. In data innovation, dynamic framework is the part of science that lies between data framework and smart framework. The dynamic cycle of the various options that exist requires a standard. Each action should have an option to answer the important question of how well the option can address a nearby problem.

Many strategies can be used in a dynamic framework. One of the strategies used in this test is the Analytical Hierarchy Process (AHP) technique. The idea of the AHP strategy is to change subjective qualities into quantitative qualities. The specialist explained that one of the options for avoiding non-targeted evaluations in the evaluation, using the part of the worker performance exam to be used as a rule includes the accompanying: Performance Assessment Depending on the nature of the continuing education graduate developing, Expanding the nature of further education speakers, Expanding the nature of the educational program and learning, Improvement administration of work units within the Directorate General of Advanced Education.

2. Method

2.1 Analytic Hierarchy Process (AHP)

AHP is a far-reaching philosophy, which provides the capacity to dynamically combine quantitative and subjective

variables for people and encounters (T.L. Saaty, L.G. Vargas, 2012). This model was created by Thomas L. Saaty, a mathematician at the College of Pittsburgh, USA. This model can help human temperament because it includes human wisdom as subjective information. The human insights included here are the views of (specialists), especially individuals who really understand the problem presented, feel the results of a problem, or have an interest in the problem (E. Nurmianto and N. Siswanto, 2016).

Basically AHP is a strategy for tackling a complex and unstructured problem into its segments, organizing these parts in a progressive system, incorporating numerical qualities in place of human insight in performing relative checks, lastly providing a combination that decides the demand and value requirements of the segment. this (TL Saaty, LG Vargas, 2012). AHP was introduced as a progressive model consisting of goals, standards, perhaps several degrees of sub-measurements and options for each option.

AHP is an organized strategy identified by dynamic interaction on complex issues, which consists of many options such as activities, activities, and situations. AHP is made with a progressive construction of several dynamically elective mixtures. For example information, experience and instinct. Furthermore, this strategy gives everyone the opportunity to make choices about various types of problems. For example, electronic waste management (D. Rimantho, B. Cahyadi, D. Dermawan, 2015), applies the AHP strategy to choose natural materials investigation techniques (D. Rimantho, M. Rachel, B. Cahyadi, 2016), as a tool for determine choices about the avoidance of work accidents for wasted authority workers (D. Rimantho, B. Cahyadi, 2016), which are used to make a progressive construction of the problem of need for hardware alignment in the drug business (D. Rimantho, TA Rahman, B. . Cahyadi, 2017).

AHP is a powerful strategy for dynamics when there is subjectivity in an issue (T. Semih and S. Seyhan., 2011). In addition, AHP is appropriate for dealing with problems where the choice actions are orchestrated in sequence into sub-models. Utilizing the development of pairwise correlation of components of a direct pecking order can reduce complex choices.

3. Research methods

The research method used to produce a product and test the product so that it is effective and ready for use by the user (Sugiono, 2009). The flow of this research is presented in Figure 1.



Figure 1 Research Flow

- A. System Requirements Analysis
 - 1. Functional Needs
 - a. The system can manage data
 - b. The system can manage data
 - c. The system can calculate the weight value of each system criterion and assign each value according to the Analytical Hierarchy Process method
 - d. The system can determine and display the results of the Analytical Hierarchy Process method
 - 2. Non-Functional Needs
 - a. Operating system using a minimum of windows 7
 - b. Hard disk capacity of at least 80 GB
 - c. The programming language uses php and the database uses mysql.
 - d. The system has an interface design that is easy to use by users and a responsive display.
- B. Design Design
 - 1. Data Flow Diagrams (DFD) (Figure 2)
 - 2. Desain flowchart (Figure 3)



Figure 2 DFD



Figure 3 Flowchart System

4. Results and Discussion

Implementation of an information system for assessing key performance indicators by applying the website-based AHP method. Aspects of performance appraisal that will be used as criteria include the following: Performance Assessment Based on the increasing quality of higher education graduates, Increasing the quality of higher education lecturers, Increasing the quality of curriculum and learning, Improved governance of work units within the Directorate General of Higher Education. This information system serves to monitor the main performance indicators of the engineering faculty by the dean. At the beginning of this information system is run will display the login page. On the login page there is a username and password that must be filled in first. Here, if the username

and password are entered incorrectly or incorrectly, the system will notify you if there is an error and cannot enter the dashboard page. The login page display can be seen in Figure.

	sie	
	UNESA	
Login		
Username		
admin@gmail.	com	
Password		
	and the second se	_

Figure 3 Flowchart System

If the username and password entered on the login page are correct, the system will continue the process and display the dashboard page as shown in Figure 4. On the dashboard page there is a menu for managing data for vice dean 1, academics, managing data for vice dean 2, general finance, managing data for deputy dean 3, and student affairs.



Gambar 4 Halaman dashboard

On the academic field menu, there is a choice of performance agreement and performance agreement indicators. The performance agreement menu will display activity targets, activity performance indicators, and the number of faculty targets that will be displayed per each study program as shown in Figure 5.

FAKULTAS TEKNIK Universitas Negeri Surabaya											Q	0	8	N.	ama Ivel	
Wakil Dekan 1 Kelole Dete	Perjanjian Kin	erja (PK) KEN	IENDIKB	UD								Tamt	bah Da	ata	1	
위, Bidang Akademik ~			i					z	ama Pri	odi						
 Perjanjian Kinerja Indikator Perjanjian Kinerja 	Sasaran Keglatan	Indikator Kinerja Keglatan	ran Indikator Kinerja Ju itan Keglatan Ta Fak	Target Fakultas	Gizi	Pend Ta Boga	Pend Ta Bus	Pend Ta Rias	PTB	PTE	PTI	\$I	TE	Π	тм	4
Wakil Dekan 2 Kelola Data	Meningkatnya Tata Kelola	Rata-rata predikat SAKIP Satker minimat BB		10	30	0	0	0	0	0	0	0	0	0		
🖏 Bidang Umum Keuangan>	Satuan Kerja di Lingkungan Dition	Rata-rata nilai Kinerja Anggaran atas Polaksanaan		10	30	30	0	10	10	20	0	0	0	0		
Wakil Dekan 3 Kelola Dete		RKA-K/L Salker minimal 80									ate V	vindo	ws			
R. Bidang Kemahasiswaan >		Persentase Iulusan S1 yang									ietting	s to ac	tivate	Windo		



On the other Vice Dean 1 menu, there is a performance agreement indicator menu that can provide information related to activity targets, activity performance indicators, number of faculty targets, and unit information. The display of the performance indicator menu can be seen in Figure 6.

FAKULTAS TEKNIK Universitas Negeri Surabaya			Q C) 🗟 Nai
Wakil Dekan 1 Kelola Data	Indikator Perjanjian Kinerja		Tambah Data
음 Bidang Akademik Perjanjian Kinerja	Sasaran Kegiatan	Indikator Kinerja Kegiatan	Jumlah Target Keterangan/Satuan Fakultas
Indikator Perjanjian Kinerja	Meningkatnya Tata Kelola Satuan Kerja di Lingkungan Ditjan	Rata-rata predikat SAKIP Satker minimal BB Rata-rata nilai Kinerja Anggaran atas Pelaksanaan RKA-K/L Satker minimal 80	
Wakil Dekan 2 ^{Celola} Data S Bidang Umum Keuangan>		Persentase lulusan S1 yang barhasil mendapat pekerjaan: melanjutkan studi; atau menjadi wiraswasta	
Wakil Dekan 3 Kelolo Data	Pendidikan Tinggi	Persentase mahasiswa S1 yang menghabiskan paling sedikit 20 (dua puluh) sks di luar kampus; atau meraih prestasi paling rendah tingkat nasional.	1944 Mahasiswa Activate Windows
🙁 Bidang Kemahasiswaan 👌		Persentase program studi S1 yang melaksanakan kerja sama dengan mitra.	Go to Settings to activate Window 65 Mitra

Gambar 6 Halaman indikator perjanjian kinerja

In the menu for the vice dean 2 there is a menu of FT assets, sources of funds, use of funds, organizational

structure, performance indicators & faculty targets, and performance accountability. The FT asset page contains information on the number of students, the number of academic staff, the number of educational staff, and infrastructure. In addition to the information presented, there is also a button to add data, which can be seen in Figure 7.

FAKULTAS TEKNIK Universitas Negeri Surabaya			Q C3 📓 Nama
Wakil Dekan 2 Kelela Data	ASET FAKULTAS TEKNIK		
유 Bidang Umum Keuangan	Jumish Tenags Mehasiswa Akademik	Tenaga Kependidikan	Sarana Prasarana
- Aset FT	731 12	2 .	
- Sumber Dana			 命
 Penggunaan Dana 			
- Struktur Organisasi	Data Jumlah Mahasiswa		Touchash Data
 Indikator Kinerja dan Target Fakultas 	Data Juman Manasiswa		Tambari Data
= Akuntabilitas Kinerja			
Wakil Dekan 3	Show 10 - entries	Sparch:	
kelola Data	No. Produ	A A A A A A A A A A A A A A A A A A A	ctivate Windows
🕺 Bidano Kemahasiswaan >		Ge	to Settingento activate Windows

Gambar 7 Halaman aset FT

On the source of funds page there is information on the source of funds, the initial allocation, and also the final allocation which is equipped with an add data button. In addition to adding data to add new sources of funds, there is also an edit button for any information on existing sources of funds, which can be seen in Figure 8.

AKULTAS TEKNIK					Q :	o 📓 !	Nama Level ~
Vakil Dekan 2 elola Data	Sumber Da	na				Tambah Da	ta
දී, Bidang Umum Keuangan•	Show 10	✓ entries		Search:			
Aset FT Sumber Dana	No 1	Sumber Dana	1 Alokasi Awal (Rp)	1 Alokasi Akhir (rp)	†↓ Ak	si îl	¢
Penggunaan Dana Struktur Organisasi	1	PNBP	Rp 1.000.000,00	Rp 800.000,00		·	
Indikator Kinerja dan Target Fakultas		Jumlah	Rp 1.000.000,00	Rp 800.000,00			
Akuntabilitas Kinerja	Showing 1 to	1 of 1 entries			Previous	Next	



On the budget realization page there is information on output, allocation, and also the percentage of realization that is equipped with an add data button. In addition to adding data to add budget realization, there is also an edit button for any existing realization information, which can be seen in Figure 9.

AKULTAS TEKNIK	88
niiversitas negen auraoaya	

akil Dekan 2 Iola Data	Realisasi anggar kerja yang telah	Anggara an digunakan dirumuskan	an untuk member	rikan gambaran bahwa tri	ansparasi dan akuntabilit	as keuangan dalam mencapal	Tambah Data target sesual progran	n
Bidang Umum Keuangan~								
Aset FT Sumber Dana	Show 1	10 ~ en	tries			Search:		
Penggunaan Dana Struktur Organisasi	No 1	Kode	Output	Alokasi (Rp)	Realisasi (Rp)	Persentase Realisasi	†↓ Aksi †↓	
Indikator Kinerja dan Target Fakultas	1	410104	Coba	2500000	2000000	95%	×	
Akuntabilitas Kinerja			Total	Rp 2.500.000,00	Rp 2.000.000,00			
ikil Dekan 3	Showing 1	to 1 of 1 entr	ies			Previ	ous 1 Next	



On the performance indicators and faculty targets page, there are program targets, numbers, performance indicators, targets, and achievements that are equipped with an add data button. In addition to adding data to add new program goals, there is also an edit button for each existing faculty target and performance indicator information, which can be seen in Figure 10.

FAKULTAS TEKNIK Universitas Negeri Surabaya					Q	c) 🧣	Nama Level v
Wakil Dokan 2 Kelola Data Rh Bidang Umum Keuangan~	Indikator Kinerja Dan Target Fakultas Delen rangta melakamatan rencana kerja lahunan sebgalmana diurakan merealisasikan kegiatan	ı diatas, mai	ka perlu ditetapa	kan terget/alc	Ta ikasi yang diperi	mbah Data lukan untui	k.
- Aset FT - Sumber Dana	Sasaran Program	No	Indikator Kinerja	Target	Capaian	Aksi	©-
 Penggunaan Dana Struktur Organisasi 	Meningkatkan Kuliatas Pembelajaran dan Kemahasiswaan FT Unesa	Data Be	lum Diinputkan				
Indikator Kinerja dan	Meningkatkan Kualitas Kelembagaan FT Unesa	Data Bel	lum Diinputkan				
larget Fakultas	Meningkatkan relevansi kualitas dan kuantitas SDM FT Unesa	Data Bel	lum Diinputkan				
- Akuntabiinas Kinerja	Meningkatkan Relevansi dan Produktivitas Riset dan Pengembangan	Data Bel	lum Diinputkan				

Gambar 10 Halaman indikator kinerja dan target fakultas

On the performance accountability page, there are program targets, numbers, performance indicators, targets,

and achievements that are equipped with an add data button. In addition to adding data to add new program goals, there is also an edit button for any existing performance accountability information, which can be seen in Figure 11.

FAKULTAS TEKNIK Universitas Negeri Suratarya BB						a 0 💈	Nan
Wakil Dekan 2 Kelola Data	Akuntabilitas Kinerja Dalam rangka mengelahui sejauh man	n efektivitan	apa yang dapat dicapai tert	uadap xasaran yang	telah ditetapkan.	Tambah Data	
A Bidang Umum Keuangan-	Sasaran Program	No	Indikator Kinerja	Target	Capaian	Aksi	
 Sumber Dana Penggunaan Dana 	Meningkatnya kualitas pembelajaran dan mahasiswa Unesa	Data Belur	n Diinputkan				
 Struktur Organisasi Indikator Kinerja dan Target Fakuitas 	Meningkatnya relevansi dan produktivitas riset dan pengembangan	Data Belur	n Diinputkan				
	Manaustous Kanasitas						

Gambar 11 Halaman akuntabilitas kinerja

On the recognition page there are program targets, numbers, performance indicators, targets, and achievements that are equipped with an add data button. In addition to adding data to add new program goals, there is also an edit button for any existing performance accountability information, which can be seen in Figure 11.

FAKULTAS TEKNIK Universitas Negeri Surabaya					a ci 📓 🐚
Wakil Dokan 3 Kelola Data	Rekognisi				Tambah Data
2, Bidang Kemahasiswaan ~		Patent Hak C	ipta Pemakala	nh Conference 🛛 Juri P	elatih Worskhop Makalah
Mahasiswa Berwirausaha	Nama Prodi	Total Mahasiswa	Jumlah	Keterangan	Detail
- Pertukaran Mahasiswa	S1 Teknik Informatika	140	0	Patent	
- Pengabdian Masyarakat - Mental Kebangsaan	S1 Teknik Mesin	143	0	Patent	*
- Lomba Mandiri	S1 Gizi	150	0	Patent	
 Keikutsertaan Lomba Kegiatan Mandiri 	\$1 Pendidikan Tata Boga	159	0	Patent	Activate Windows
 Pemakalah Conference 	S1 Pendidikan Tata	139	0	Patent	Go to settings to activate Window

Gambar 12 Halaman rekognisi

On the entrepreneurship student page, there are entrepreneurship seminars, PMW coaching, Entrepreneurial Assistance, and entrepreneurship expos which are equipped with the add data button. The display is presented by displaying the name of the study program, total students, number, and description. In addition to adding data to add new program goals, there is also an edit button for any existing performance accountability information, which can be seen in Figure 13.

FAKULTAS TEKNIK Universitas Negeri Surabaya					a to 😫 🖞	ama rvel v
Wakil Dekan 3 Kelola Dota	Mahasiswa Berwir	ausaha			Tambah Data	
兴, Bidang Kemahasiswaan~	s	eminar Kewirausahaan	Pembinaan PMW	Pendampingan Wirausah	a Expo Wirausaha	
- Rekoginisi Mahasiswa Berwirausaha	Nama Prodi	Total Mahasiswa	Jumlah	Keterangan	Detail	۲
- Pertukaran Mahasiswa	S1 Teknik Informatika	140	0	Kegiatan	•	
 Pengabdian Masyarakat. Mental Kebangsaan 	S1 Teknik Mesin	143	o	Kegiatan		
 Lomba Mandiri Keikutsertaan Lomba 	S1 Gizi	150	0	Kegiatan		
Keglatan Mandiri Pemakalah Conference	S1 Pendidikan Tata Bog:	a 159	0	Kegiatan	zate Wind®ws	
= Ormawa	S1 Pendidikan Tata	139	0	Go to Kegiatan	settings to activate Winds	

Gambar 13 Halaman Mahasiswa Berwirausaha

On the student exchange page there are international and national categories which are equipped with an add data button. The display is presented by displaying the name of the study program, total students, number, and description. In addition to adding data to add new data, there is also a button to view any existing student exchange data information, which can be seen in Figure 14.

FAKULTAS TEKNIK Universitas Negeri Surabaya 88				△ Loading Inn	er Data. O. C. 🧟 🧱
Wakil Dakan 3 Kelela Data	Pertukaran Mahasiv	va			Tambah Data
, Bidang Kemahasiswaan ~					Internasional Nasional
- Mahaniswa Berwirausaba	Nama Prodi	Total Mahasiswa	Jumlah	Keterangan	Detail
- Pertukaran Mahasiswa	S1 Teknik Informatika	140	0	Mahasiswa	-
 Pengabdian Masyarakat Mental Rebangsaan 	01 Tuknik Mesin	143	٥	Mahasiswa	*
- Lomba Mandiri	S1 Cizi	150	0	Mahasiswa	
 Kelkutsertaan Lomba 					
- Keglatan Mandiri	S1 Pendidikan Tela Boga	159	0	Maltaninwa	Activate Wind®ws
- Pemakalah Conference	S1 Pendidikan Tata	1.59	0	Mahasiswa	co to seconde to activate Worklows.



On the community service page there is the name of the study program, the total number of students, and a description that is equipped with the add data button. In addition to adding data to add community service, there is also an edit button for any existing community service information, which can be seen in Figure 15.

FAKULTAS TEKNIK Universitas Negeri Surabaya BB					Q C) 😫 Nama
Wakil Dekan 3 Kelola Data	Pengabdian Masyar	akat			Tambah Data
있 Bidang Kemahasiswaan~	Nama Prodi	Total Mahasiswa	Jumlah	Keterangan	Detail
- Rekoginisi	S1 Teknik Informatika	140	U	Proposal	
- Mahasiswa Berwirausaha	S1 Teknik Mesin	143	n.	Proposal	
 Pertukaran Mahasiswa Pengabdian Masyarakat 	S1 Gizi	150	o	Proposal	
 Mental Kebangsaan Lomba Mandiri 	S1 Pendidikan Tata Boga	159	0	Proposal	•
 Keikutsertaan Lomba Keglatan Mandiri Remakalah Conference 	S1 Pendidikan Tata Busana	139	0	Proposal	Activate Windows



On the national mental page, there is an entry to complete the national mental data which contains the person in charge of the activity by choosing an action. In addition to adding data to add national mental data, there is also an edit button for any available information, which can be seen in Figure 16.

FAKULTAS TEKNIK Universitas Negeri Surabaya		 Loading Inner Data. 	Nama 🗙
Wakil Dekan 3 Kelola Data	Mental Kebangsaan		
은 Bidang Kemahasiswaan Y	Lengkapi Data Mental Kebangsaan		
 Recognisa Mahasiswa Berwirausaha Pertukaran Mahasiswa Bennahdian Masyarakat 	Penanggup Jawab Kegiatan Pilih Aksi : v		٢
 Pengabalan Masyarakat Mental Kebangsaan Lomba Mandiri Keikutsertaan Lomba Kegiatan Mandiri Pemakalah Conference 	Data Mental Kebangsaan	Activate Go to Settin	Windows gs to activate Windows:
- Ormawa			

Gambar 16 Halaman mental kebangsaan

On the independent competition page there is an entry to complete the independent competition data which contains the organizer, number of activities, and information by selecting add. In addition to adding data to add independent race data, there is also a button to view the data that has been added. And there is information on the target of existing competitions, which can be seen in Figure 17.

FAKULTAS TEKNIK Universitas Negeri Surabaya				Q C3 🧟 Nama Levelu
Wakil Dekan 3 Ketela Data	Lomba Mandiri			Tambah Data
& Bidang Kemahasiswaan∼				Internasional Nasional
- Rekoginisi				
- Mahasiswa Berwirausaha	Penyelenggara	Jumlah Kegiatan	Keterangan	Detail
- Pertukaran Mahasiswa	Fakultas	0	Kegiatan	
- Pengabdian Masyarakat				
- Mental Kebangsaan				
- Lomba Mandiri				
- Keikutsertaan Lomba	Target			
- Kegiatan Mandiri				
- Pemakalah Conference	Penyelenggara Jumlah	n Keterangan		
- Ormaus	Internasional 1	Kegiatan 👁		

Gambar 17 Lomba mandiri

On the Competition Participation page, there are entries to complete the data for the talent interest competition, Pilmapres, KDMI, NUDC, KMHE, creativity, PKM, robots, GEMASTIK, each of which contains the name of the study program, total students, number, and information by selecting add. In addition to adding data to add race data, there is also a button to view the data that has been added. And there is information on the target of existing competitions, which can be seen in Figure 18.

FAKULTAS TEKNIK Universitas Negeri Surabaya					Q (3) 😪 Na	ima vel v
- Mental Kebangsaan - Lomba Mandiri	Keikutsertaan Lomba				Tambah Data	
 Keikutsertaan Lomba Kegiatan Mandiri Pemakalah Conference 	MinatBai	cat Pilmapres KD	MI NUDC K	MHE Kreativitas	PKM ROBOT GEMASTIK	
- Ormawa	Nama Prodi	Total Mahasiswa	Jumlah	Keterangan	Detail	٩
Penghargaan PKKMB	S1 Teknik Informatika	140	2	12		
- Mbak Mas FT	S1 Teknik Mesin	143	0	12	•	
Pengembangan Mabasiswa	S1 Gizi	150	0	12		
- Bimbingan Konseling	S1 Pendidikan Tata Boga	159	0	12	Activate Windows	
 FT Bersholawat 	S1 Pendidikan Tata	139	0	12		

Gambar 18 Keikutsertaan lomba

On the participation page as a speaker in the conference there are international and national options to complete the data containing the name of the study program, total students, number, and information by selecting

add. In addition to adding data to add data, there is also a button to view data that has been added which can be seen in Figure 17.

FAKULTAS TEKNIK Universitas Negeri Surabaya					Q C3 📓 Nama Level 🗸
Wakil Dekan 3 Kelola Data	Keikutsertaan Seba Dalam Conference	gai Pemakalah			Tambah Data
약, Bidang Kemahasiswaan~) - Rekoginisi					Internasional Nasional
Mahasiswa Berwirausaha	Nama Prodi	Total Mahasiswa	Jumlah	Keterangan	(i) Detail
Pertukaran Mahasiswa Pengabdian Masyarakat	S1 Teknik Informatika	140	o	Mahasiswa	
Mental Kebangsaan Lomba Mandiri	S1 Teknik Mesin	143	0	Mahasiswa	۲
Kelkutsertaan Lomba	S1 Gizi	150	0	Mahasiswa	•
Kegiatan Mandiri Pemakalah Conference	S1 Pendidikan Tata Boga	159	0	Mahasiswa	Activate Windows Go to Setting to Mindows

Gambar 19 Halaman keikutsertaan sebagai pemakalah dalam conference

On the Student Development page there are fields to complete the data for the name of the study program, total students, number, and information by selecting add. In addition to adding data to add student development data, there is also a button to view the data that has been added which can be seen in Figure 19.

FAKULTAS TEKNIK Universitas Negeri Surabaya					Q CJ 📽 Nar	na ⊌∽
Wakil Dekan 3 Kelela Data	Pengembangan Mal	Tambah Data				
兴 Bidang Kemahasiswaan~					Pengembangan Mahasiswa	
- Rekoginisi						
_ Mahasiswa Berwirausaha	Nama Prodi	Total Mahasiswa	Jumlah	Keterangan	Detail	{\$}
- Pertukaran Mahasiswa	S1 Teknik Informatika	140	0	Mahasiswa		
- Pengabdian Masyarakat - Mental Kebangsaan	S1 Teknik Mesin	143	0	Mahasiswa		
 Lomba Mandiri Keikutsertaan Lomba 	S1 Gizi	150	0	Mahasiswa	۰	
- Keglatan Mandiri	S1 Pendidikan Tata Boga	159	0	Mahasiswa	Activate Wind®ws	
 Pemakalah Conference Ormawa 	S1 Pendidikan Tata	139	0	Mahasiswa	Go to Settings to activate Window	

Gambar 20 Halaman Pengembangan Mahasiswa

5. Conclusion

The creation of an information system for assessing the main performance indicators of this website-based early childhood learning application will assist the engineering faculty in assessing performance. With the AHP method, it directly assists in the processing of the main performance assessment. Based on the results of the tests carried out, it can be seen if the application built can run as desired. For further development some new or additional features can be added

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