

**UNIVERSITI SAINS MALAYSIA
GERAN PENYELIDIKAN UNIVERSITI PENYELIDIKAN
LAPORAN AKHIR**

**DEVELOPMENT OF A KPI MONITORING SYSTEM
FOR ON-LINE ASSESSMENT OF USM'S APEX
STATUS.**

PENYELIDIK

PROFESOR MADYA DR. PHUA KIA KIEN

PENYELIDIK BERSAMA

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ASSOC. PROF. ONG SAW LAN
ASSOC. PROF. TANG KEOW NGANG
PUAN FA'IZAH MD. ZAIN
PUAN NORAL WIAH HAJI ABD. KARIM
EN. KAMARULAKMAL AB. GHANI**

2015

**UNIVERSITY RESEARCH GRANT
FINAL REPORT**
*Geran Penyelidikan Universiti
Laporan Akhir*

Please email a copy of this report to rcmo@usm.my

Sila emel salinan laporan ini ke rcmo@usm.my

A.	PARTICULARS OF RESEARCH / MAKLUMAT PENYELIDIKAN:
(i)	<p>Title of Research: <i>Tajuk Penyelidikan:</i></p> <p>Development of a KPI Monitoring System (KPI-MS) for Online Assessment of USM's Research Performance</p>
(ii)	<p>Account Number: <i>Nombor Akaun:</i></p> <p>1001 / CIPPM / 817053</p>
B.	PERSONAL PARTICULARS OF RESEARCHER / MAKLUMAT PENYELIDIK:
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	<p>Name of Co-Researcher: <i>Nama Penyelidik Bersama:</i></p> <p>Assoc. Prof. Balakrishnan Muniandy Assoc. Prof. Ong Saw Lan Assoc. Prof. Tang Keow Ngang Puan Fa'izah Md Zain Puan Noral Wiah Haji Abd Karim En. Kamarulakmal Ab. Ghani</p>
(ii)	<p>School/Institute/Centre/Unit: <i>Pusat Pengajian /Institut/Pusat/Unit:</i></p> <p>Institute for Research in Molecular Medicine (INFORMM)</p>
D.	<p>Duration of this research: <i>Tempoh masa penyelidikan ini:</i></p> <p>*Duration : 2 years and 2 months <i>Tempoh :</i></p> <p>From: 15/07/2010 To: 14/09/2012 <i>Dari: Ke:</i></p>

<p>E.</p>	<p>ABSTRACT OF RESEARCH (An abstract of between 100 and 200 words must be prepared in Bahasa Malaysia and in English. This abstract will be included in the Annual Report of the Research and Innovation Section at a later date as a means of presenting the project findings of the researcher/s to the University and the community at large)</p> <p>Abstrak Penyelidikan (Perlu disediakan di antara 100 - 200 perkataan di dalam Bahasa Malaysia dan juga Bahasa Inggeris. Abstrak ini akan dimuatkan dalam Laporan Tahunan Bahagian Penyelidikan & Inovasi sebagai satu cara untuk menyampaikan dapatan projek tuan/puan kepada pihak Universiti & masyarakat luar).</p> <p>Please refer to Appendix A</p>								
<p>F.</p>	<p>SUMMARY OF RESEARCH FINDINGS <i>Ringkasan dapatan Projek Penyelidikan</i></p> <p>Please refer to Appendix B</p>								
<p>G.</p>	<p>COMPREHENSIVE TECHNICAL REPORT <i>Laporan Teknikal Lengkap</i> Applicants are required to prepare a comprehensive technical report explaining the project. (This report must be attached separately) Sila sediakan laporan teknikal lengkap yang menerangkan keseluruhan projek ini. [Laporan ini mesti dikepilkan]</p> <p>Please refer to Appendix C – Technical Report Please refer to Appendix D – KPI-MS User Manual</p> <p>List the key words that reflect our research: <i>Senaraikan kata kunci yang mencerminkan penyelidikan anda:</i></p> <table border="1" data-bbox="220 1200 1485 1462"> <thead> <tr> <th data-bbox="220 1200 847 1234">English</th> <th data-bbox="847 1200 1485 1234">Bahasa Malaysia</th> </tr> </thead> <tbody> <tr> <td data-bbox="220 1234 847 1308">Key Performance Indicator (KPI)</td> <td data-bbox="847 1234 1485 1308">Petunjuk Prestasi Utama</td> </tr> <tr> <td data-bbox="220 1308 847 1384">Malaysian Research Assessment (MyRA)</td> <td data-bbox="847 1308 1485 1384">Sistem Penilaian Penyelidikan Malaysia</td> </tr> <tr> <td data-bbox="220 1384 847 1462"></td> <td data-bbox="847 1384 1485 1462"></td> </tr> </tbody> </table>	English	Bahasa Malaysia	Key Performance Indicator (KPI)	Petunjuk Prestasi Utama	Malaysian Research Assessment (MyRA)	Sistem Penilaian Penyelidikan Malaysia		
English	Bahasa Malaysia								
Key Performance Indicator (KPI)	Petunjuk Prestasi Utama								
Malaysian Research Assessment (MyRA)	Sistem Penilaian Penyelidikan Malaysia								

H. a) **Results/Benefits of this research**
Hasil Penyelidikan

No. Bil:	Category/Number: Kategori/ Bilangan:	Promised	Achieved
1.	Research Publications (Specify target journals) <i>Penerbitan Penyelidikan</i> (Nyatakan sasaran jurnal)	1	7 (Appendix E)
2.	Human Capital Development		
	a. Ph. D Students	-	-
	b. Masters Students	1	2 (Appendix F)
	c. Undergraduates (Final Year Project)	-	-
	d. Research Officers	1	0
	e. Research Assistants	1	2 (Appendix G)
	f. Other: Please specify	-	-
3.	Patents, IPRs <i>Paten, IPR</i>	1	1 (Appendix H)
4.	Specific / Potential Applications <i>Spesifik/Potensi aplikasi</i>	-	1 (Appendix I – KPI-MS System)
5.	Networking & Linkages <i>Jaringan & Jalinan</i>	1	8 (Appendix J)
6.	Possible External Research Grants to be Acquired <i>Jangkaan Geran Penyelidikan Luar Diperoleh</i>	-	1 (Appendix K)

- Kindly provide copies/evidence for Category 1 to 6.

b) **Equipment used for this research.**
Peralatan yang telah digunakan dalam penyelidikan ini.

Items Perkara	Approved Equipment	Approved Requested Equipment	Location
Specialized Equipment Peralatan khusus	Mac Laptop (Sa'aban Mohd Shukor) PC Laptop (Kamarulakmal Ab. Ghani) Color Printer (AP Phua K.K.)	3D Plasma TV LCD Stand Fusioncharts Plug-in	INFORMM Penang INFORMM Penang PPKT Server Room
Facility Kemudahan			
Infrastructure Infrastruktur			

- Please attach appendix if necessary.

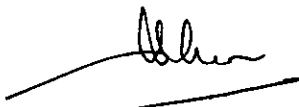
H.

COMMENTS OF PTJ'S RESEARCH COMMITTEE
KOMEN JAWATANKUASA PENYELIDIKAN PERINGKAT PTJ

General Comments:

Ulasan Umum:

This multi-disciplinary project has produced 7 research publications including 2 papers in citation-indexed journals. Two MSc students were trained and graduated under this project. The KPI-MS system developed under this project is being used by USM to store and process KPI data for allocation of research incentives. An FRGS grant has been secured to apply this system at the national level.



PROFESOR DR. TAN SOO CHOON
Timbalan Pengarah
Institut Penyelidikan Perubatan Molekul
(INFORMM)
Universiti Sains Malaysia
11800 Penang

Signature and Stamp of Chairperson of PTJ's Evaluation Committee
Tandatangan dan Cop Pengerusi Jawatankuasa Penilaian PTJ

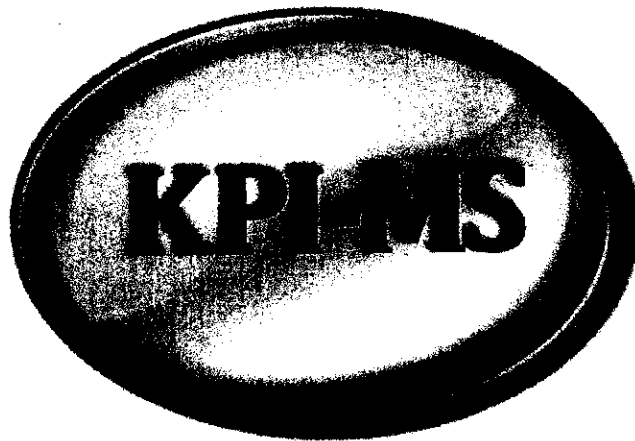
Date : 26/8/2015
Tarikh

Signature and Stamp of Dean/ Director of PTJ
Tandatangan dan Cop Dekan/ Pengarah PTJ

Date :
Tarikh

USER MANUAL

Key Performance Indicator Monitoring System (KPI-MS)



Version 2.0



Draft Copy



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INTRODUCTION

The Key-Performance Indicator Monitoring System (KPI-MS) is an online computer system developed for PTJs in USM to store their KPI data, calculates total KPI marks and generates reports and charts for assessment of KPI achievements. This system is currently hosted at <http://10.202.1.63/usmkpims> to enable online interaction between *Bahagian Pembangunan Lestari & Korporat* (BPLK) and PTJs. This system is designed to replace the current RU Questionnaire Excel spreadsheet system which has several short comings. The KPI-MS offers a more secure and efficient system for management of KPI data and for interacting with BPLK for the overall monitoring of USM KPI performance.

PART 1: GETTING STARTED WITH KPI-MS

To start using KPI-MS, follow the steps below:

1. Open your Internet browser.
2. Type in the URL of the KPI-MS web page: <http://10.202.1.63/usmkpims>
3. The KPI-MS Homepage appears as in Figure 1.1.



Figure 1.1

4. Log in with your **Username** and **Password**.
5. Click the "Submit" button. The Homepage appears as in Figure 1.2.

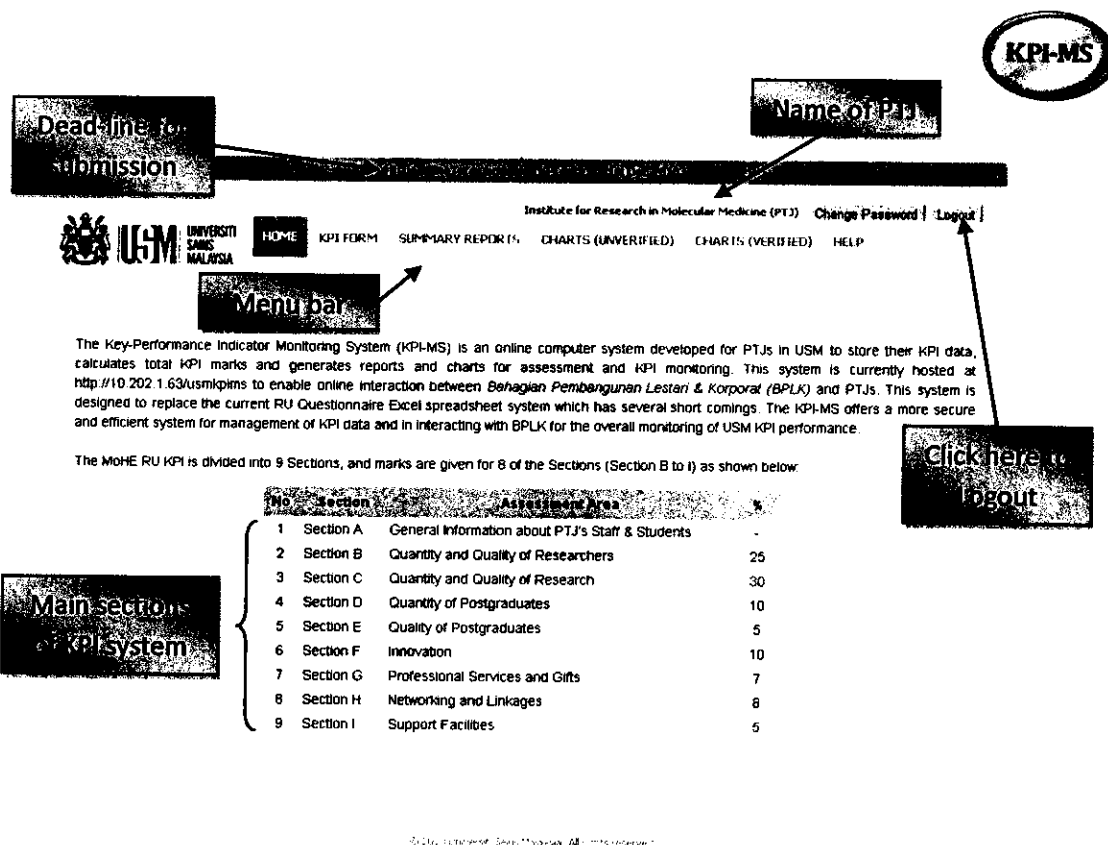


Figure 1.2

6. The name of your PTJ will appear at the top right-hand side of the page in green colour.
7. There is a menu bar that provides access to the Homepage, KPI Form, Summary Reports, Charts (Unverified) and Charts (Verified). The title of each Section is highlighted in blue. The Homepage shows the main sections of the KPI-MS system, which consists of Section A to Section I.
8. The **dead-line** for submission of KPI form is indicated in the top pink bar.
9. To exit the system, click on the LOGOUT button at the top right-hand corner.

PART 2: THE KPI FORM

There are 3 sub-menus under the "KPI Form" menu (Figure 2.1). You can fill in a new KPI form, update an existing KPI form or view a completed form.

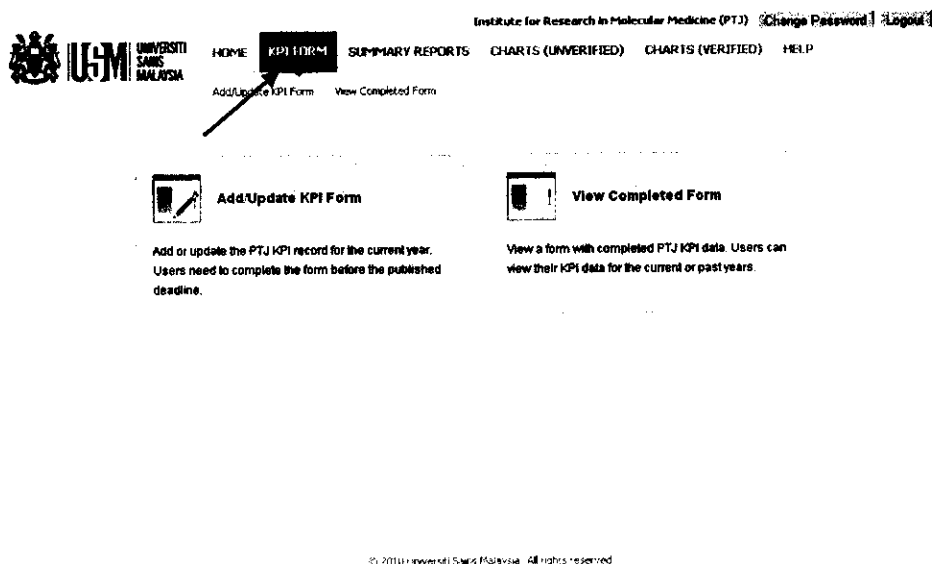


Figure 2.1

2.1 Filling in a New KPI Form

1. From the Homepage, click on "KPI Form" button in the Top menu bar. The item highlights.
2. Click on the sub-menu "Fill-in a New Form" as shown in Figure 2.2 below.

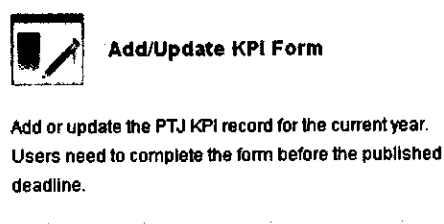


Figure 2.2

- The Dialog box appears (Figure 2.3). Click on the pull-down menu to choose a year that you would like to fill in a new form.

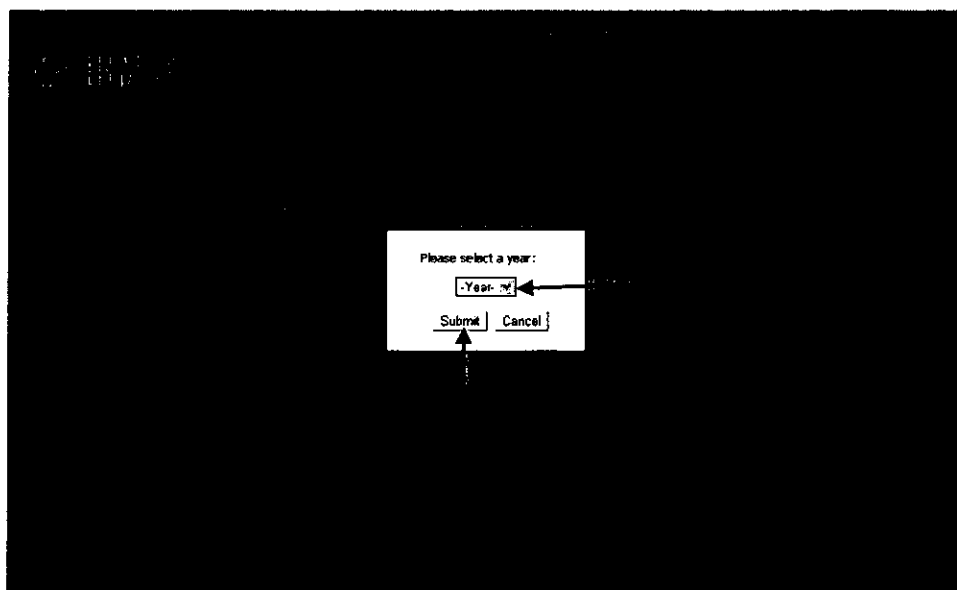


Figure 2.3

- Click on the "Submit" button.
- The form appears as shown in Figure 2.4.

Institute for Research in Molecular Medicine (PTJ) | Change Password | Logout |

[HOME](#)
[KPI FORM](#)
[SUMMARY REPORTS](#)
[CHARTS \(UNVERIFIED\)](#)
[CHARTS \(VERIFIED\)](#)
[HELP](#)

Name of PPI

SECTION A: General Information 2010

No.	Criteria	Data
1	a. Number of Academic Staff (including staff on study leave)	
	i. Professor	
	ii. Associate Professor	
	iii. Senior Lecturer	
	iv. Lecturer	
	b. Number of Academic Staff (Not including staff on study leave)	
	i. Professor	
	ii. Associate Professor	
	iii. Senior Lecturer	
	iv. Lecturer	
c. Total No. of Foreign Academic Staff		
2	a. Number of local and foreign UNDERGRADUATE students	
	i. Bachelor (Local)	
	ii. Bachelor (Foreign)	

Fill in data

Figure 2.4

- Fill-in every cell under the data column. Use "0" (zero) if you do not have any data.

c. Total No. of Foreign Academic Staff	<input type="text"/>
2 a. Number of local and foreign UNDERGRADUATE students	
i. Bachelor (Local)	<input type="text"/>
ii. Bachelor (Foreign)	<input type="text"/>
b. Number of local and foreign POSTGRADUATE students	
i. Master - Research (Local)	<input type="text"/>
Master - Research (Foreign)	<input type="text"/>
Master - Mixed Modes (Local)	<input type="text"/>
Master - Mixed Modes (Foreign)	<input type="text"/>
Master - Coursework (Local)	<input type="text" value="0"/>
Master - Coursework (Foreign)	<input type="text" value="0"/>
ii. Doctoral - Research (Local)	<input type="text" value="12"/>
Doctoral - Research (Foreign)	<input type="text" value="7"/>
Doctoral - Coursework (Local)	<input type="text" value="0"/>
Doctoral - Coursework (Foreign)	<input type="text" value="0"/>

Figure 2.5

- Click on the "Save and Continue" button when you have completed this Section. The next section appears and you can continue to key in your data for the subsequent section.

2.2 Updating an Existing Form

- From the Homepage, click on the "KPI Form" button in the menu bar. The item highlights.
- Click on the button "Add/Update KPI Form" (Figure 2.6).



Add/Update KPI Form

Add or update the PTJ KPI record for the current year.
Users need to complete the form before the published deadline.

Figure 2.6

- The dialog box appears (Figure 2.7). Click on the pull-down menu to choose a year that you would like to update an existing form.

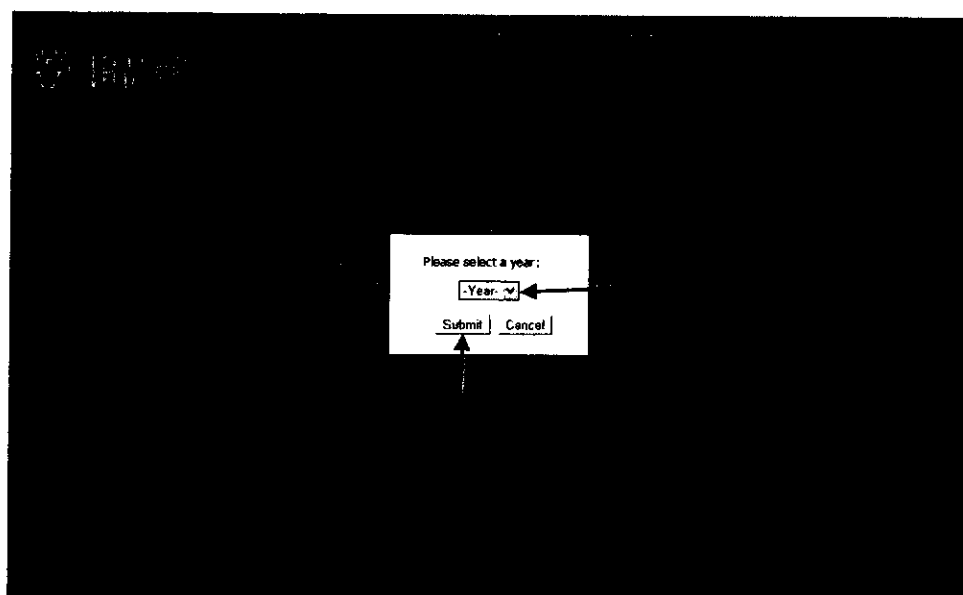



Figure 2.7

4. Click on the "Submit" button.
5. The form appears as shown in Figure 2.8.

Institute for Research in Molecular Medicine (PI3) | [Change Password](#) | [Logout](#)


[HOME](#) | [KPI FORM](#) | [SUMMARY REPORTS](#) | [CHARTS \(UNVERIFIED\)](#) | [CHARTS \(VERIFIED\)](#) | [HELP](#)

[Add/Update KPI Form](#) | [View Completed Form](#)

SECTION A: General Information 2010

No	Criteria	Data
1	a. Number of Academic Staff (including staff on study leave)	
	i. Professor	4
	ii. Associate Professor	2
	iii. Senior Lecturer	12
	iv. Lecturer	0
	b. Number of Academic Staff (Not including staff on study leave)	
	i. Professor	4
	ii. Associate Professor	2
	iii. Senior Lecturer	12
	iv. Lecturer	0
	c. Total No. of Foreign Academic Staff	4
2	a. Number of local and foreign UNDERGRADUATE students	
	i. Bachelor (Local)	0
	ii. Bachelor (Foreign)	0

Figure 2.8

6. Fill in every cell under the data column. Use "0" (zero) if you do not have any data.
7. For updating of a particular section, scroll to the bottom of the page and click on "Quick Jump" to the section you want as shown in Figure 2.9.

c. Total No. of Foreign Academic Staff	4
2 a. Number of local and foreign UNDERGRADUATE students	
i. Bachelor (Local)	0
ii. Bachelor (Foreign)	0
b. Number of local and foreign POSTGRADUATE students	
i. Master - Research (Local)	35
Master - Research (Foreign)	2
Master - Mixed Modes (Local)	0
Master - Mixed Modes (Foreign)	0
Master - Coursework (Local)	0
Master - Coursework (Foreign)	0
ii. Doctoral - Research (Local)	12
Doctoral - Research (Foreign)	7
Doctoral - Coursework (Local)	0
Doctoral - Coursework (Foreign)	0

Save & Continue | Save & Exit | Quick Jump ▾

Go to a specific section

Figure 2.9

2.3 Viewing Completed Form

Under this section, you can view a completed KPI-form. You cannot make any changes as the form is locked.

1. From the Homepage, click on the "KPI Form" button in the menu bar. The item highlights.
2. Click on the sub-menu "View Completed Form" as shown in Figure 2.10.



View Completed Form

View a form with completed PTJ KPI data. Users can view their KPI data for the current or past years.

Figure 2.10

3. The white Dialog box appears as shown in Figure 2.11. Click on the pull-down menu to choose a year that you would like to view.

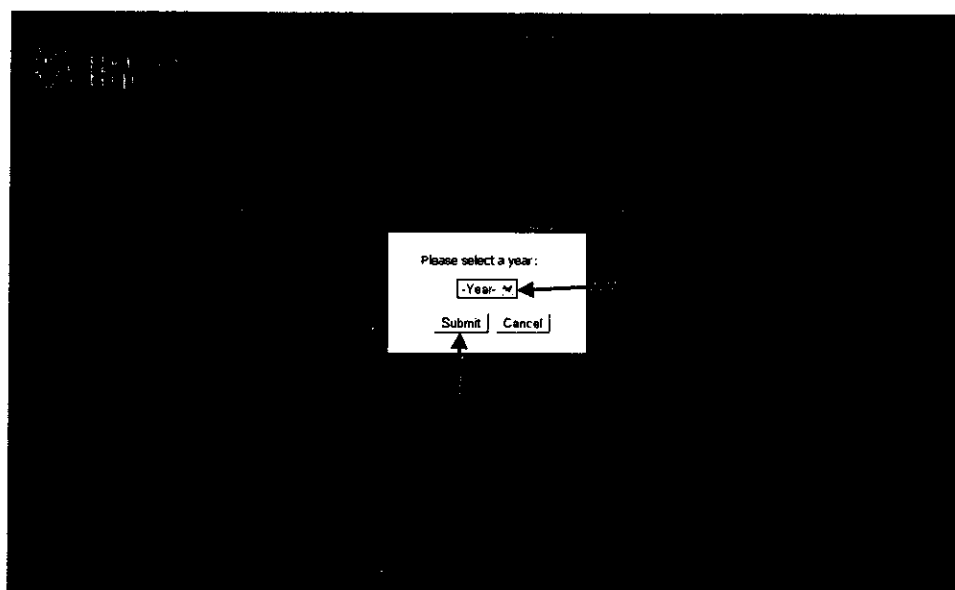


Figure 2.11

4. Click on the "Submit" button.
5. The form appears as shown in Figure 2.12.

Institute for Research in Molecular Medicine (PTJ) | [Change Password](#) | [Logout](#)

UNIVERSITI SAINS MALAYSIA

[HOME](#) |
 [KPI FORM](#) |
 [SUMMARY REPORTS](#) |
 [CHARTS \(UNVERIFIED\)](#) |
 [CHARTS \(VERIFIED\)](#) |
 [HELP](#)

[Add/Update KPI Form](#) |
 [View Completed Form](#)

SECTION A: General Information 2010

No	Criteria	Data
1	a. Number of Academic Staff (including staff on study leave)	
	i. Professor	4
	ii. Associate Professor	2
	iii. Senior Lecturer	12
	iv. Lecturer	0
	b. Number of Academic Staff (Not including staff on study leave)	
	i. Professor	4
	ii. Associate Professor	2
	iii. Senior Lecturer	12
	iv. Lecturer	0
	c. Total No. of Foreign Academic Staff	
		4
	2	a. Number of local and foreign UNDERGRADUATE students
i. Bachelor (Local)		0
ii. Bachelor (Foreign)		0

Figure 2.12

PART 3: VIEWING SUMMARY REPORTS

In the "Summary Reports" section, you can view your PTJ's KPI summary, view BPLK KPI summary or view the feedback from BPLK regarding your KPI data

3.1 PTJ Summary Report

1. From the Homepage, Click on "Summary Reports" button in the menu bar.
2. Click on the "PTJ Summary" button (Figure 3.1) to view a summary report of your PTJ's KPI.

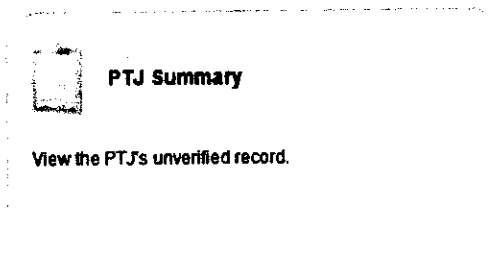


Figure 3.1

3. Select a year from the white Dialog box to view the KPI summary report (Figure 3.2).

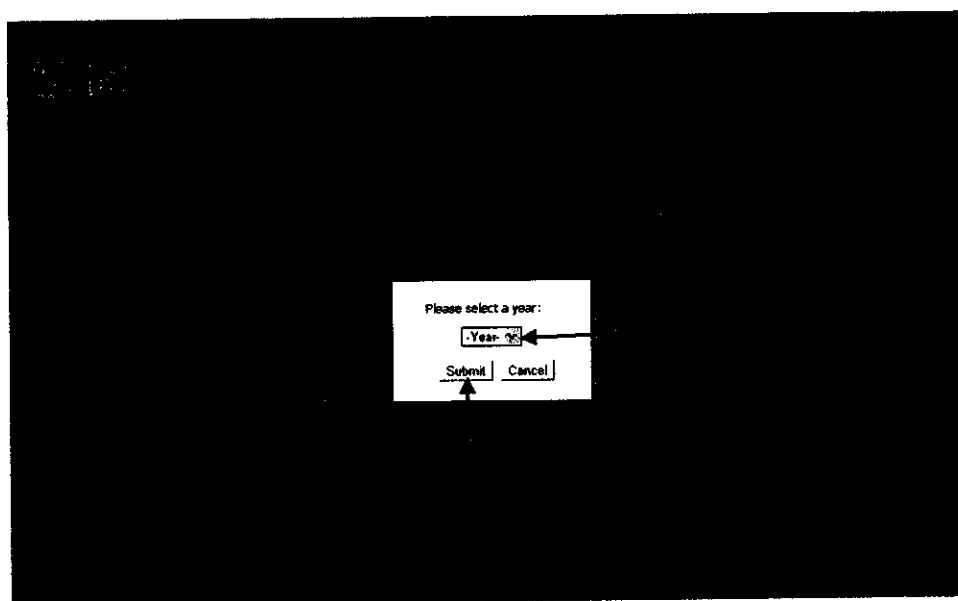


Figure 3.2

4. Click on the "Submit" button for the report.
5. The summary report appears as in Figure 3.3.

INSTITUTE FOR RESEARCH IN MOLECULAR MEDICINE
PTJ SUMMARY REPORT 2010 (Unverified)

No	Summary & Total Marks	Status	Marks (PTJ)	Full Mark
1	Section B: Quantity & Quality of Researchers (25%)	UNSATISFACTORY	18.72	25
2	Section C: Quantity & Quality of Research (30%)	EXCELLENT	44.76	30
3	Section D: Quantity of Postgraduates (10%)	EXCELLENT	25.80	10
4	Section E: Quality of Postgraduates (5%)	EXCELLENT	6.00	5
5	Section F: Innovation (10%)	UNSATISFACTORY	9.00	10
6	Section G: Professional Services and Gifts (7%)	UNSATISFACTORY	6.17	7
7	Section H: Networking and Linkages (8%)	UNSATISFACTORY	5.06	8
8	Section I: Support facilities (5%)	OK	0.00	0
TOTAL		CONGRATULATION	100.58	95

[Plot Chart](#) | [Export Summary to PDF](#) | [Export All to PDF](#)



Kuala Lumpur, Universiti Sains Malaysia, 11 August 2010

Figure 3.3

- To view a breakdown of the marks of each section, click on the mark of that particular section.
- The breakdown marks appear as in Figure 3.4

SECTION B: Quantity & Quality of Researchers 2010					
	Total	Researcher	Postgraduate	Researcher	Postgraduate
1. Critical Mass					
Total number of academic staff involved as principal investigator (leadership) of research grants	100.00	65.00	10.40	65.00	7.50
a. University funded					
b. National grants	94.44	53.00	9.36	53.00	5.25
c. International grants	5.56	5.56	1.04	12.00	2.25
2. PhD or Professional Qualification					
a. Total number of staff with PhD/DSc, DEng					
b. Total number of staff with Professional Qualifications	5.56	5.56	0.28	20.00	1.00
3. Research Experience					
Total number of research experience staff					
a. > 20 years experience	27.78	2.22	1.75	30.00	2.25
b. 10 - 20 years experience	16.67	10.00	0.00	40.00	3.00
c. < 10 years experience	55.56	10.00	0.00	30.00	2.25
4. Recognitions / Awards / Stewardship					
a. Total number of awards conferred by national bodies					
b. Total number of awards conferred by international bodies	0.00	0.00	0.00	2.00	3.00
0.00					

Figure 3.4

- For a graphical summary report, click on the "Plot Chart" button.

9. The chart appears as in Figure 3.5.

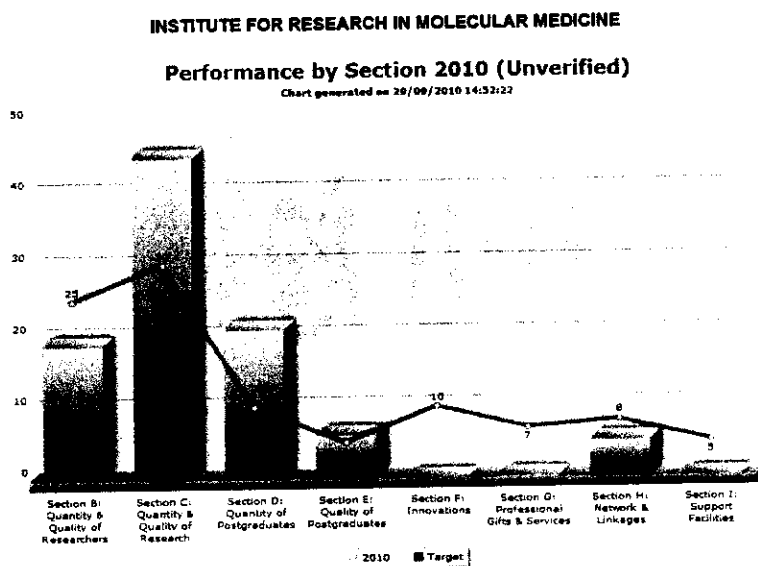


Figure 3.5

10. To get a print out of the report, refer to Part 4: Printing Output.

3.2 BPLK Summary Report

1. From the Homepage, Click on “Summary Reports” button in the menu bar.
2. Click on the “BPLK Summary” button (Figure 3.6) to view the summary report from BPLK.



Figure 3.6

3. Select a year from the pull-down menu in the Dialog box to see the summary report (Figure 3.7).

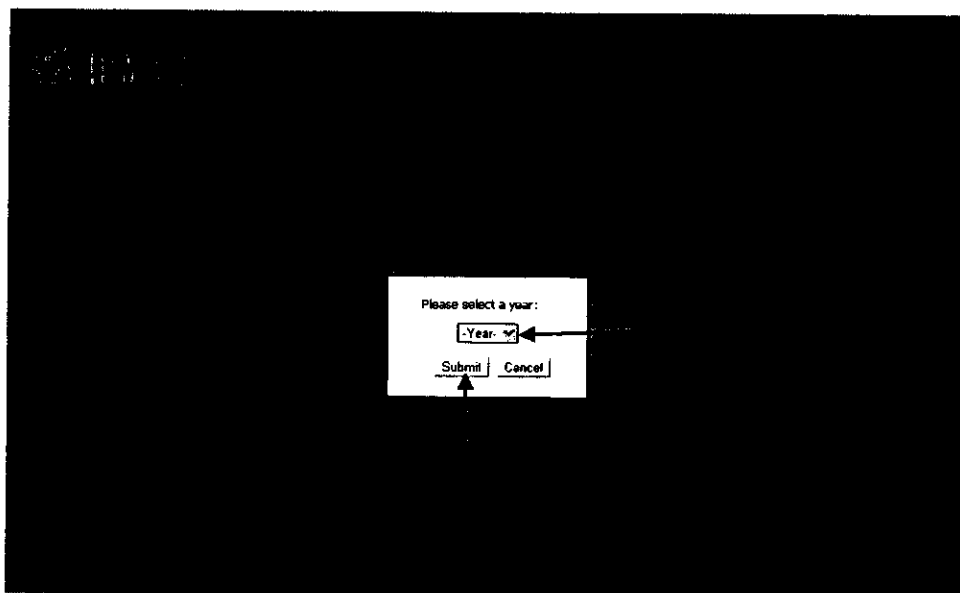


Figure 3.7

4. Click on the “Submit” button for the report.
5. The BPLK summary report appears as shown in Figure 3.8.

INSTITUTE FOR RESEARCH IN MOLECULAR MEDICINE

BPLK SUMMARY REPORT 2010

No	Summary & Total Marks	Status	Marks (BPLK)	Full Mark
1	Section B: Quantity & Quality of Researchers (25%)	UNSATISFACTORY	17.77	25
2	Section C: Quantity & Quality of Research (30%)	EXCELLENT	44.76	30
3	Section D: Quantity of Postgraduates (10%)	EXCELLENT	20.83	10
4	Section E: Quality of Postgraduates (5%)	EXCELLENT	5.90	5
5	Section F: Innovation (10%)	UNSATISFACTORY	0.00	10
6	Section G: Professional Services and Gifts (7%)	UNSATISFACTORY	0.17	7
7	Section H: Networking and Linkages (8%)	UNSATISFACTORY	5.06	8
8	Section I: Support facilities (5%)	OK	0.00	0
TOTAL		OK	94.49	95

[Plot Chart](#) |
 [Export Summary to PDF](#) |
 [Export All to PDF](#)

Figure 3.8

3.3 Feedback From BPLK Report

1. From the Homepage, Click on "Summary Reports" button in the menu bar.
2. Click on the button "Feedback From BPLK" (Figure 3.9) in the submenu to view the descriptive feedback from BPLK on your KPI data.

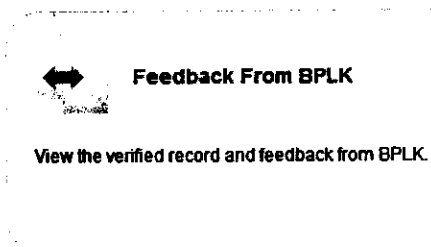


Figure 3.9

3. Select a year from the Dialog box to see the summary from the white Dialog box (Figure 3.10).

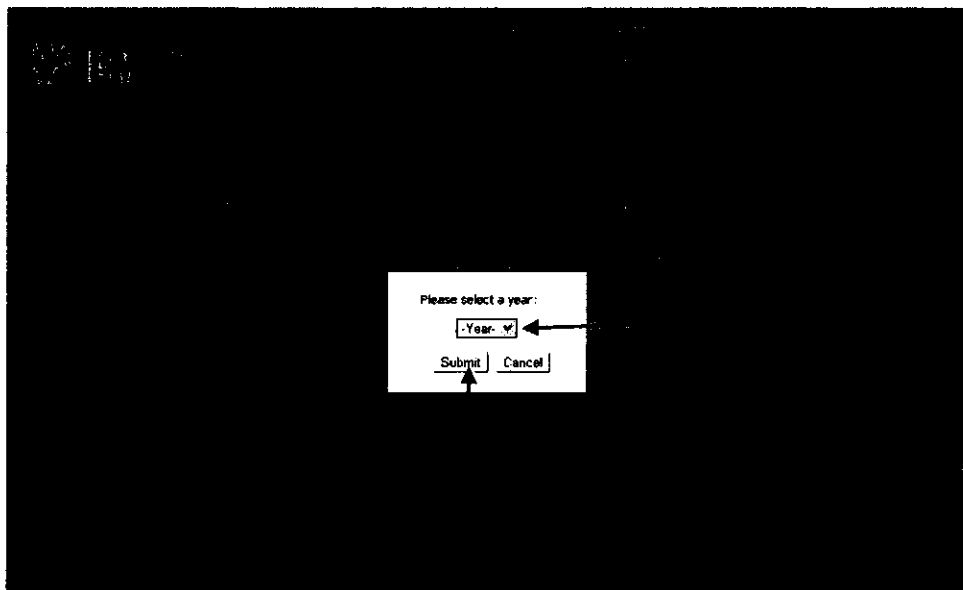


Figure 3.10

4. Click on the “Submit” button for the report.
5. The feedback from BPLK appears in the fifth column next to the marks given by BPLK (Figure 3.11). You can compare your marks with those given by BPLK.

SECTION A: General Information		Marks by PTT	Marks by BPLK	Feedback from BPLK
1	a. Number of Academic Staffs			
	i. Professor	4	4	
	ii. Associate Professor	2	2	
	iii. Senior Lecturer	12	12	ok
	iv. Lecturer	0	0	
	b. Number of Academic Staffs (Not including staff on study leave)			
	i. Professor	4	4	
	ii. Associate Professor	2	2	OK
	iii. Senior Lecturer	12	12	
	iv. Lecturer	0	0	
	c. Total Number of Foreign Academic Staffs	4	4	Dalam senarai dinyatakan 4 orang
2	a. Number of local and foreign UNDERGRADUATE students			
	i. Bachelor (Local)	0	0	
	ii. Bachelor (Foreign)	0	0	

Figure 3.11

PART 4: PRINTING OUTPUT

The KPI form and Summary Reports can be exported in part or in whole as a PDF file to be printed. The PTJ Summary Report, BPLK Summary Report or BPLK Feedback Report can be exported and printed in the same way. The following example is for printing the PTJ Summary Report.

1. From the Homepage, Click on "Summary Reports" button in the menu bar.
2. Click on the "PTJ Summary" button as in Figure 4.1.

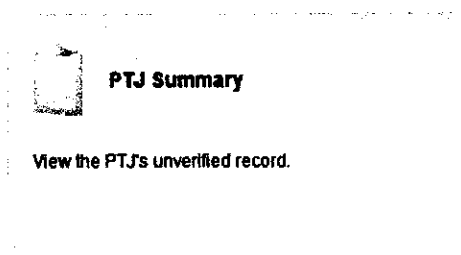


Figure 4.1

3. Select a year from the pull-down menu in the Dialog box (Figure 4.2).

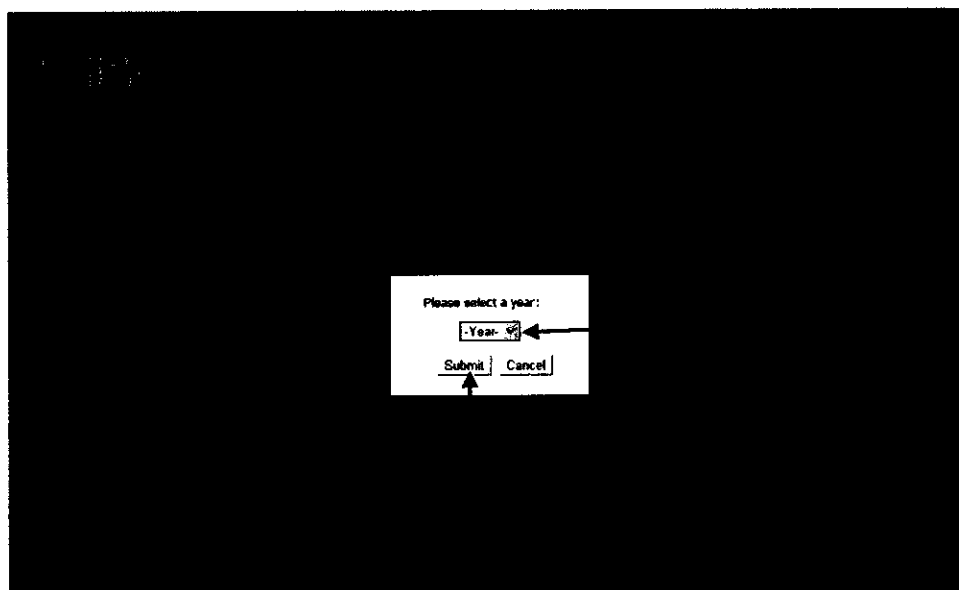


Figure 4.2

4. Click on the "Submit" button.
5. For a printed summary, click on the button "Export Summary to PDF" (Figure 4.3).

INSTITUTE FOR RESEARCH IN MOLECULAR MEDICINE

PTJ SUMMARY REPORT 2010 (Unverified)

No	Summary & Total Marks	Status	Marks (PTJ)	Full Mark
1	Section B: Quantity & Quality of Researchers (25%)	UNSATISFACTORY	18.72	25
2	Section C: Quantity & Quality of Research (30%)	EXCELLENT	44.76	30
3	Section D: Quantity of Postgraduates (10%)	EXCELLENT	25.83	10
4	Section E: Quality of Postgraduates (5%)	EXCELLENT	6.03	5
5	Section F: Innovation (10%)	UNSATISFACTORY	0.00	10
6	Section G: Professional Services and Gifts (7%)	UNSATISFACTORY	0.17	7
7	Section H: Networking and Linkages (8%)	UNSATISFACTORY	5.06	8
8	Section I: Support facilities (5%)	OK	0.00	0
TOTAL		CONGRATULATION	100.88	95

[Plot Chart](#) | [Export Summary to PDF](#) | [Export All to PDF](#)

Figure 4.3

6. Wait for the file conversion process to complete and print the summary as in Figure 4.4.

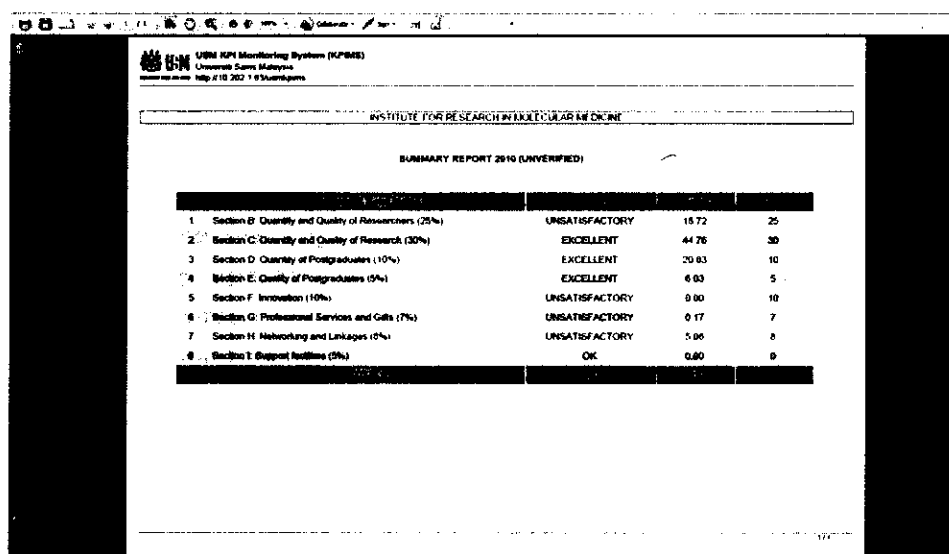


Figure 4.4

7. To print the entire report, click on the button "Export All to PDF" (Figure 4.5).

INSTITUTE FOR RESEARCH IN MOLECULAR MEDICINE

PTJ SUMMARY REPORT 2010 (Unverified)

No			Marks (PTJ)	Full Mark
1	Section B: Quantity & Quality of Researchers (25%)	UNSATISFACTORY	18.72	25
2	Section C: Quantity & Quality of Research (30%)	EXCELLENT	44.76	30
3	Section D: Quantity of Postgraduates (10%)	EXCELLENT	25.80	10
4	Section E: Quality of Postgraduates (5%)	EXCELLENT	6.00	5
5	Section F: Innovation (10%)	UNSATISFACTORY	0.00	10
6	Section G: Professional Services and Gifts (7%)	UNSATISFACTORY	0.17	7
7	Section H: Networking and Linkages (8%)	UNSATISFACTORY	5.06	8
8	Section I: Support facilities (5%)	OK	0.00	0
TOTAL		CONGRATULATION	100.58	95

[Plot Chart](#) |
 [Export Summary to PDF](#) |
 [Export All to PDF](#)

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Figure 4.5

8. Wait for the file conversion process to complete and then print the file from Adobe Acrobat Reader (Figure 4.6).

SECTION A: GENERAL INFORMATION 2010	
a. Number of Academic Staff (including staff on study leave)	
a. Professor	4
b. Associate Professor	2
c. Senior Lecturer	12
d. Lecturer	0
b. Number of Academic Staff (Not including staff on study leave)	
a. Professor	4
b. Associate Professor	2
c. Senior Lecturer	12
d. Lecturer	0
c. Total Number of Foreign Academic Staff	
	4
d. Number of Local and Foreign UNDERGRADUATE Students	
a. Undergraduate (Local)	0
b. Undergraduate (Foreign)	0
e. Number of Local and Foreign POSTGRADUATE Students	
a. Master - Research (Local)	35
b. Master - Research (Foreign)	2
c. Master - Allied Health (Local)	0
d. Master - Allied Health (Foreign)	0
e. Master - Coursework (Local)	0
f. Master - Coursework (Foreign)	0
g. Doctoral - Research (Local)	12
h. Doctoral - Research (Foreign)	7
i. Doctoral - Coursework (Local)	0
j. Doctoral - Coursework (Foreign)	0

Figure 4.6