

English language manual, version 0.1
Based on SLiMS-5*
(MERANTI)[†]



**SENAYAN LIBRARY MANAGEMENT
SYSTEM DOCUMENTATION**

May 20, 2013

^{**} written with LYX 1.6.5

[†] SLiMS official website: <http://slims.web.id>

Using free open source software / free software is like quoting statements from other people's work in the academic field, the original author ga ask anything at anyway, ask for money too engga, cuman have your name and work with him disebutin good and true, because I'm that much doang engga hard right? (Arie Nugroho, Core Programmer SLiMS)

Updated in Senayan5 (MERANTI):

Added: Template admin and new OPAC
Added: Z39.50 SRU: Search / Retrieval via URL
Added: OAI / PMH feature
Added: Statement of Responsibility in the bibliography
Added: Item(s) batch barcode generator
Added: Bibliographic Classification
Added: Printing catalog cards
Fixed: Bug in exporting and importing bibliographic items
Added: Search result clustering
Added: Brazilian-Portugese language
Added: Orphaned publisher and place
Added: MARC data Import
Added: Member photos captured directly in the application
Added: Keyboard shortcuts to modules and sub-modules
Added: Mobile display
Added: Setting a fine, and holiday count
Added: Zend barcode

Important Note:

Sysconfig

`sysconfig.local.inc.php`, is a file that does the same configuration as `sysconfig.inc.php`. However, for local changes, it's recommended to just change the file `sysconfig.local.inc.php`. Logically, if there are two common configurations in the two files , SLiMS will read `sysconfig.local.inc.php`. as overriding `sysconfig.inc.php`.

For example:

If, in the file `sysconfig.inc.php` there is a line `$sysconf['ucs']['enable']=false;`

And in the file `sysconfig.local.inc.php` there is a line
`$sysconf['ucs']['enable']=true;`

Then the SLiMS application will use the configuration of the value as = true.

Shortcuts

From SLiMS5 onwards, SLiMS has shortcut features that can be used to switch menus without using the mouse. Shortcuts apply to MODULES and Submodules. The modules use a combination of Shift + Function keys (F1-F8 and Esc), while in submodules , we use combinations of Ctrl + Number and also Ctrl + Alt + Number

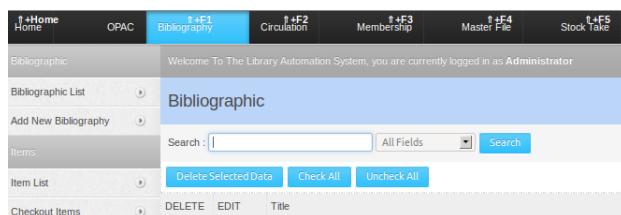


Figure 0.1: Module Shortcuts

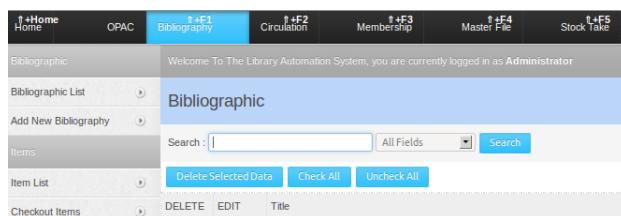


Figure 0.2: Submodule Hotkeys

Translation notes: This document has been translated from Bahasa Indonesia by a native speaker of English, using Google Translate and professional knowledge of library computer systems. As such, it is neither elegant nor likely to be completely accurate, since I have little knowledge of the Bahasa Indonesian language. I have followed almost completely the format and wording of the original document and whenever uncertain as to Google Translate's output, I cross-checked by accessing an operational Senayan SLiMS 5 (Meranti) installation. The graphic screen-shots are taken directly from the Indonesian language manual, and occasionally reflect this.

As readers find errors and think of possible improvements in this document , it would be most helpful if they could notify us about them via the SLiMS user forums (<http://forum.slims.web.id>)

- *jim richardson (gurujim)*

Important Note:

Sysconfig

`sysconfig.local.inc.php`, is a file that does the same configuration as `sysconfig.inc.php`. However, for local changes, it's recommended to just change the file `sysconfig.local.inc.php`. Logically, if there are two common configurations in the two files , SLiMS will read `sysconfig.local.inc.php`. as overriding `sysconfig.inc.php`.

For example:

If, in the file `sysconfig.inc.php` there is a line `$sysconf['ucs']['enable']=false;`

And in the file `sysconfig.local.inc.php` there is a line
`$sysconf['ucs']['enable']=true;`

Then the SLiMS application will use the configuration of the value as = true.

Shortcuts

From SLiMS5 onwards, SLiMS has shortcut features that can be used to switch menus without using the mouse. Shortcuts apply to MODULES and Submodules. The modules use a combination of Shift + Function keys (F1-F8 and Esc), while in submodules , we use combinations of Ctrl + Number and also Ctrl + Alt + Number

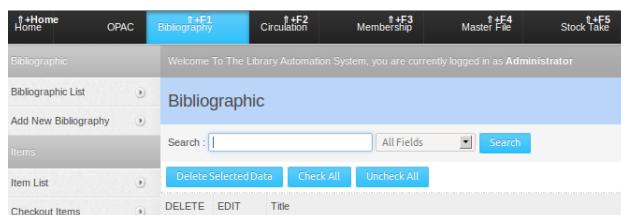


Figure 0.3: Module Shortcuts

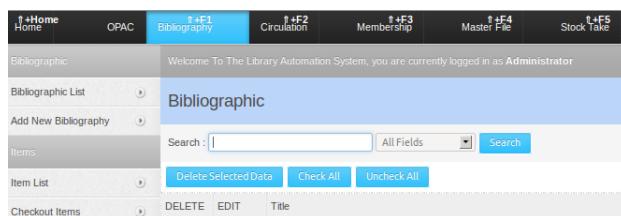


Figure 0.4: Submodule Hotkeys

Translation notes: This document has been translated from Bahasa Indonesia by a native speaker of English, using Google Translate and professional knowledge of library computer systems. As such, it is neither elegant nor likely to be completely accurate, since I have little knowledge of the Bahasa Indonesian language. I have followed almost completely the format and wording of the original document and whenever uncertain as to Google Translate's output, I cross-checked by accessing an operational Senayan SLiMS 5 (Meranti) installation. The graphic screen-shots are taken directly from the Indonesian language manual, and occasionally reflect this.

As readers find errors and think of possible improvements in this document , it would be most helpful if they could notify us about them via the SLiMS user forums (<http://forum.slims.web.id>)

- jim richardson (gurujim)

0.1 About SLiMS:

As a form of respect and pride for Indonesia, beginning with Senayan3-stable14, SLiMS releases are named after the flora that grows in the archipelago. Senayan3-Stable14 uses the codename Seulanga , Senayan3-Stable15 uses Matoa, etc. Detailed information on the release of each version is at <http://slims.web.id/web/?q=node/1>. If you want to know the history of the development of SLiMS, please go to:

http://id.wikipedia.org/wiki/Senayan_%28perangkat_lunak%29

After Senayan3-Stable15, the version immediately jumped to SLiMS-5 using MER-ANTI as the codename.

The Meranti timber plant population is increasingly approaching extinction. Meranti is a species in the Dipterocarp family , and in the conservation priority list of the Indonesian Institute of Sciences or LIPI. Researcher from the Center for Biological Research (LIPI), Dr Tukirin Partomiharjo, says, Meranti, with other plants in the family Dipterocarpaceae like lime wood, kruing, and bengkirai are amongst the species most widely used by humans. However, the plant population continues to decrease. a^a

^a<http://himpalaunas.com/artikel/lingkungan/2010/09/28/wah-pohon-meranti-terancam-punah>

Physically, Meranti is upright, and tall with many branches. The wood has relatively high value and is rare, almost extinct. SDC hopes Slims-5 will rise up also, and benefit the development of many libraries, particularly in Indonesia.



Image source : <http://www.towermaster-online.com/images/enviropole/Meranti-Tree03.jpg>

0.2 Credits

Credits:

Hendro Wicaksono (hendrowicaksono@yahoo.com) – Arie Nugraha (dicarve@yahoo.com) Arif Syamsudin (buitenzorg812@gmail.com) M. Rasyid Ridho (ridho_edogawa@yahoo.com) Sulfan Zayd (sulfan@gmail.com) – Purwoko (tamanjiwa@gmail.com) – Wardiyono (wynerst@gmail.com) – Eddy Subratha (eddy.subratha@gmail.com) – Indra Sutriadi Pipii (indra.sutriadi@gmail.com)

This document was created using Creative Common License (CCL)
<http://creativecommons.org/about/licenses/>



0.3 Endorsements

- ISMAIL FAHMI: Turut bangga dengan Hendro (Wicaksono) dan kawan-kawan di SLiMS. Sebuah pencapaian yg luar biasa. Anda pantas mendapatkannya, karena dedikasi dan kerjakeras selama ini. Semoga makin memompa semangat teman-teman untuk terus berkarya.
- DIAO AI LIEN (Pustakawan berprestasi I DIKTI 2011): Bravo!! Maju terus SLiMS.
- PUTU LAXMAN PENDIT: TOP MARKOTOP! Semoga SLiMS dan Komunitasnya bisa terus jadi bukti bahwa berbuat baik itu baik, tetapi lebih baik lagi kalau berbuat baik untuk orang banyak! :-))
- DANIEL D'ESPOSITO (HURIDOCS EXECUTIVE DIRECTOR): This is my favorite, I came across it by chance in Jakarta last month, its made by Indonesian developers and used by NGOs and the NHRI. But its unknown in the rest of the world. I am hoping it will be the winner so we can promote it like crazy. (<http://www2.law.uu.nl/english/sim/library/ecchrd/32/OpenSource.pdf>)
- Ezza Fajar Ramadhan: Padahal baru 2 bulan berjalan, tapi [perpustakaan ini] sudah langsung ditunjuk UPT untuk mewakili Kecamatan Wiradesa ikut Lomba Perpustakaan Tingkat Kabupaten Pekalongan. Alhamdulilah dapat predikat A untuk Sistem Pelayanan karena saya memakai SLiMS :) Trengkyuuuu SENAYAN !!! MATURNUWUN :D

0.4 Recommended URLs related to SLiMS

- <http://slims.web.id/web/?q=faq>
- <http://slims.web.id/download/docs/> (various documentation)
- <http://slims.web.id/forum> (SLiMS Community Forum)
- <http://slims.web.id/demo> (SLiMS online demonstration)
- <https://www.facebook.com/groups/senayan.slims/> (SLiMS Facebook Group)
- <https://github.com/slims/>
- SLiMS community:<http://jogjalib.net>, <http://pangkeplib.net>, <http://primurlib.net>, <http://ambonlib.net>, <http://makassarlib.net>,

1 Introduction

No furniture so charming as books. - Sydney Smith

SLiMS is Open Source Software (OSS) developed to meet the needs of web-based library automation, from small to large scale. Because it is full-featured and still actively developed, SLiMS is suitable for libraries that have varied collections, several staff members and a networked environment, whether local network (intranet) or the Internet. Another SLiMS feature is that it is multi-platform, which means it can run natively in almost all Operating Systems that support the programming language PHP (<http://www.php.net>) and MySQL RDBMS (<http://www.mysql.com>).

SLiMS itself is developed on the platform of GNU / Linux and is running well on other platforms such as Unix * BSD and Windows. SLiMS is made up of web-based applications with cross-platform considerations and completely developed using Open Source Software, i.e : PHP Web Scripting Language, (www.php.net) and MySQL Database Server (www.mysql.com). To increase interactivity in such a desktop application, it also uses AJAX technology (Asynchronous JavaScript And XML). Senayan also uses Open Source Software to add features such as PhpThumb and SIMBIO (a development platform developed from the project Igloo). Senayan is licensed under the GPLv3 which guarantees the freedom to obtain, modify and redistribute (rights to use, study, copy, modify, and redistribute computer programs). More details about GPLv3 can be read at <http://www.gnu.org/licenses/gpl-3.0.html>.

SLiMS version 1 and 2 were not released to the public because it was still being tested and was being refined. Since version 3, SLiMS has been considered stable enough to be released to the public and it is time-tested by the librarian community. Through review by the public and peer-to-peer feedback , Senayan will become even more stable software and its features more diverse, accommodating many needs. To view a demo and download Senayan software , visit <http://slims.web.id>

SLiMS features include:

- Online Public Access Catalog (OPAC) displays thumbnails on-the-fly. The thumbnail is useful for displaying the book cover. OPAC modes available include simple search (Simple Search) and advanced (Advanced Search).
- Details are also available in XML (Extensible Markup Language) record format, standard MODS for web service needs.
- Features Z39.50, SRU and p2p services to enable copy-cataloging from various libraries.
- Efficient data management to minimize repetition of bibliographic data.

1 Introduction

- Management master files for referential data such as GMD (General Material Designation), Collection Type , Publisher, Author, Location, Suppliers, and others.
- Circulation with the following features:
 - Transactions of borrowing and returning
 - Reserve collection
 - Flexible lending rules
 - Information on delays and fines
- Membership management
- Collection inventory (stocktaking)
- Reports and statistics
- Management of periodicals
- Supports the management of multimedia documents (.FLV, .MP3) and digital documents, particularly PDFs, in *streaming* form.
- SLiMS supports a variety of languages including formats that do not Latin scripts.
- Provides a variety of languages in the interface (Indonesian, English, Spanish, Arabic, German, Bengali, Thai etc).
- Union Catalog Service Module support
- Library visitor counter
- Member area, to view and download the collection was and never borrowed.
- System module with the following features:
 - Configure global system
 - Management module
 - User Management (library staff) and Access level Groups
 - Setting holiday periods
 - Creation of automated barcodes
 - Backup utilities

and various other features that we can not cover in this introduction. Please continue reading the following chapters for full documentation.

SLiMS has several methods of installation. Installing from source code (with manual editing for the database name, username and password); Psenayan installation (portable senayan); and installation using the SLiMS Installer . Here's an explanation of each method of installation. Although the examples used are for the old version, the process is basically the same for subsequent versions of SLiMS.

1.1 Installation of SLiMS from source

Education is the passport to the future, for tomorrow belongs to those who prepare for it today (Malcolm X)

Example: Senayan3-stable10 installation.

(Beginning from Stable15 (Matoa) after completion of a Senayan install, the database must be indexed first, in line with the index contained in the Module System)

Make sure your Web server (such as Apache web server), the MySQL database server, and PHP scripting engine are installed and running properly. It will be easier if PhpMyAdmin is also installed as it will greatly assist setting up the database via a web interface. If you are using Windows, it is recommended you use Portable Senayan for Windows (Psenayan), which has proven to be stable and easy for both SLiMS installation and backup (just copy the folder). Installing SLiMS from source is recommended for platforms other than Windows, such as GNU / Linux and Unix platforms, because the conditions are relatively more diverse.

In Unix/Linux, the installation of a Web server (eg Apache), MySQL and PHP can done through the default distro binary packages respectively. Alternatively, the installation of source code will offer flexibility. SLiMS was developed on the platform GNU / Linux (Zenwalk and Ubuntu) and has been tested in production scale across multiple servers based on Centos Linux, Open-SUSE Linux, FreeBSD and Windows.

Basically there is no problem whichever Operating System is used. The important thing is that PHP and MySQL are already both running on the Operating System. If Senayan is used on the internet (public), you are advised to increase security by adding a firewall on the TCP/IP (layer 3 and 4 of the OSI layer) side, on the application side (eg ModSecurity), and in the database (eg GreenSQL:). An implementation tutorial can be found at: <http://hendrowicaksono.multiply.com/journal/item/54>

1 Introduction



```
hendro@hendro-laptop: /var/www
File Edit View Terminal Help
hendro@hendro-laptop:~$ cd /var/www/
hendro@hendro-laptop:/var/www$ pwd
/var/www
hendro@hendro-laptop:/var/www$ ls -la senayan3-stable10-patch1.tar.gz
-rw-r--r-- 1 root root 2525002 2009-07-26 09:12 senayan3-stable10-patch1.tar.gz
hendro@hendro-laptop:/var/www$
```

Figure 1.1: Put the file senayan*.tar.gz file into the web document root

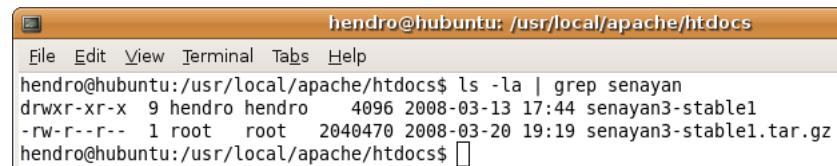
Now, place the source SLiMS web document in the root of your web server that you will use.

For example: I use Ubuntu Linux and install Apache Webserver via the source code. Its web document root is located at `/usr/local/apache/htdocs`, while in OpenSUSE it's located in `/srv/www`. If you are using xampplite in Windows, the web document root is usually located in `\xampplite\htdocs`. Still in Windows, if you install Apache individually (not through an AMP package), a web document root usually is found in "Program Files\apachegroup\apache\htdocs"



```
hendro@hendro-laptop: /var/www
File Edit View Terminal Help
hendro@hendro-laptop:/var/www$ sudo tar -xvzf senayan3-stable10-patch1.tar.gz
```

Figure 1.2: Extract file senayan*.tar.gz



```
hendro@hubuntu: /usr/local/apache/htdocs
File Edit View Terminal Tabs Help
hendro@hubuntu:/usr/local/apache/htdocs$ ls -la | grep senayan
drwxr-xr-x 9 hendro hendro 4096 2008-03-13 17:44 senayan3-stable1
-rw-r--r-- 1 root root 2040470 2008-03-20 19:19 senayan3-stable1.tar.gz
hendro@hubuntu:/usr/local/apache/htdocs$
```

Figure 1.3: Senayan*.tar.gz extract completed

Extract the file `senayan3-*.tar.gz` in the same directory. In Windows you can use Winzip. On Linux you can use the default Linux tools. For example (I use Ubuntu) by running the command:

1 Introduction

```
shell> sudo tar -xvxf senayan3-stable10-patch1.tar.gz  
it will create a folder/directory named senayan3-stable10
```

```
hendro@hendro-laptop:/var/www$ cd senayan3-stable10  
hendro@hendro-laptop:/var/www/senayan3-stable10$ mysql -u root -p  
Enter password:  
Welcome to the MySQL monitor. Commands end with ; or \g.  
Your MySQL connection id is 32  
Server version: 5.0.75-0ubuntu10.2 (Ubuntu)  
  
Type 'help;' or '\h' for help. Type '\c' to clear the buffer.  
  
mysql> CREATE DATABASE senayandb;  
Query OK, 1 row affected (0.00 sec)  
  
mysql> quit  
Bye  
hendro@hendro-laptop:/var/www/senayan3-stable10$ █
```

Figure 1.4: Creating a database using the MySQL console

Now go to the newly formed folder senayan3-stable10 .

```
shell> cd senayan3-stable10
```

There are two sql files in which we will enter the data for the structure and Senayan application examples. To view them, run the command:

```
shell> ls -la install/*.sql
```

Assuming the user has access allowing them to create a database (eg, root), then create a database with the name “senayandb”:

```
shell> mysql -u root -p  
mysql> CREATE DATABASE senayandb;  
mysql> SHOW DATABASES;  
mysql> quit;
```

1 Introduction

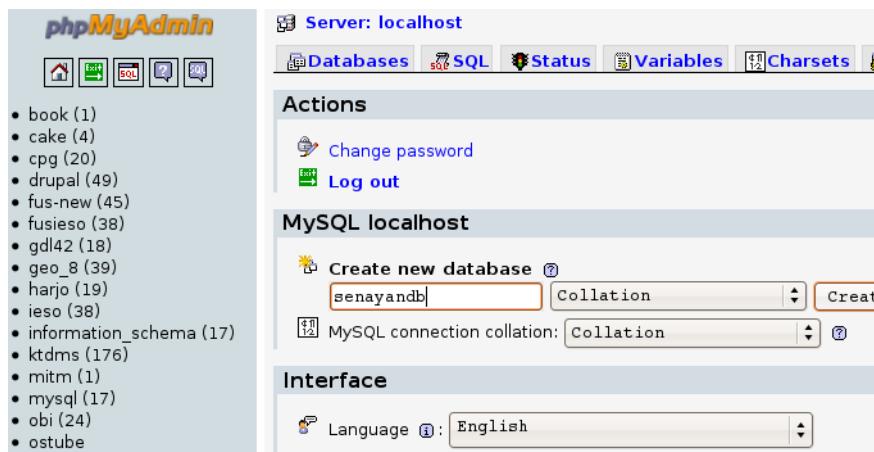


Figure 1.5: Creating a database with the help of phpMyAdmin

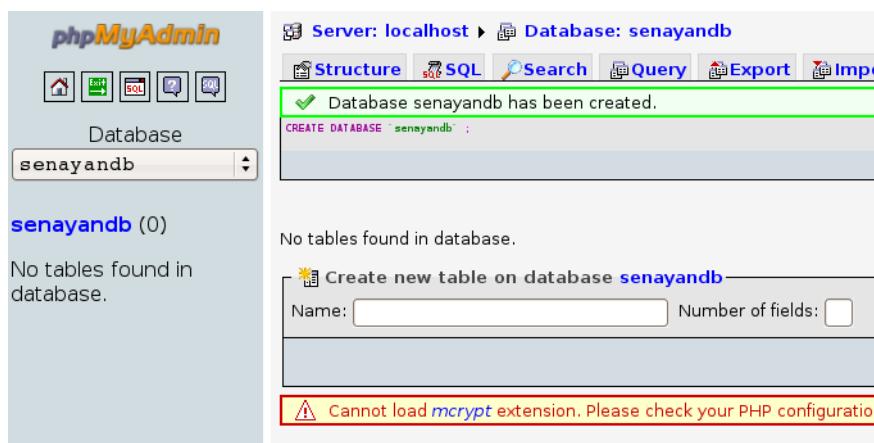


Figure 1.6: Database has been created with the help of phpMyAdmin

```
hendro@hendro-laptop:/var/www/senayan3-stable10$ mysql -u root -p senayandb < install/senayan.sql
Enter password:
hendro@hendro-laptop:/var/www/senayan3-stable10$ mysql -u root -p senayandb < install/sample_data.sql
Enter password:
hendro@hendro-laptop:/var/www/senayan3-stable10$ █
```

Figure 1.7: Dump the Senayan data to a SQL database via MySQL console

1 Introduction

Next create a Senayan data structure and install the sample data.

```
shell> mysql -u root -p senayandb < install/senayan.sql
shell> mysql -u root -p senayandn < install/sample_data.sql
```

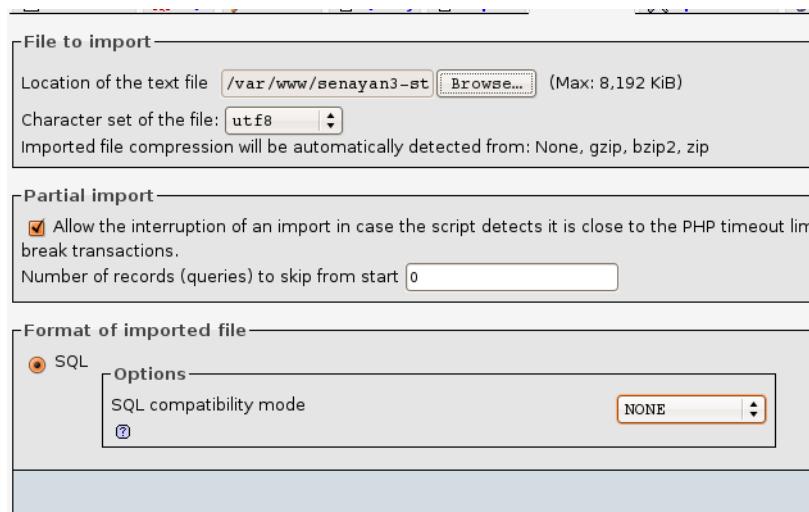


Figure 1.8: Import data.sql with PhpMyAdmin

1 Introduction

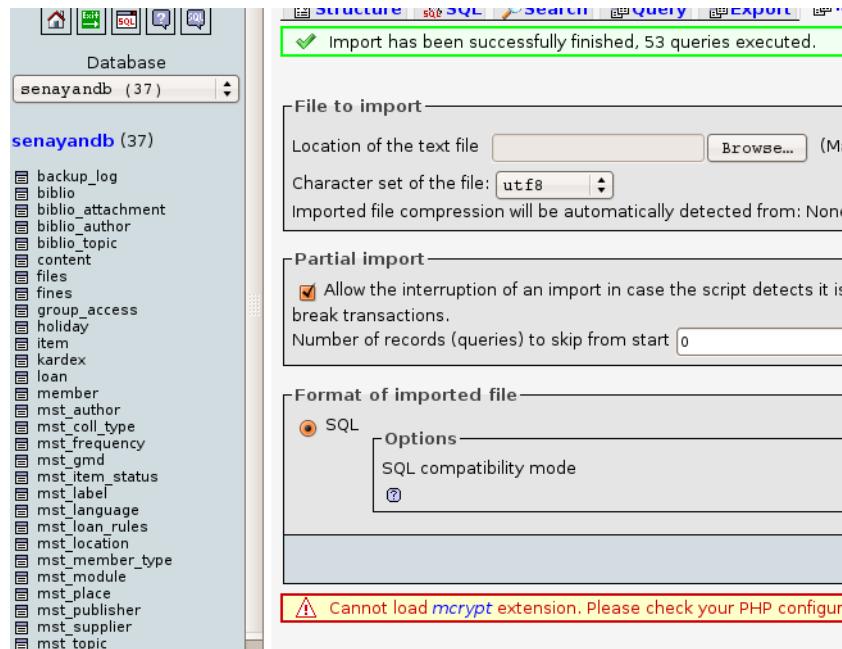


Figure 1.9: Successful import using PhpMyAdmin

```
hendro@hubuntu: /usr/local/apache/htdocs/senayan3-stable1$ mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 5.0.45-log Source distribution

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql> GRANT ALL PRIVILEGES ON senayan.* TO 'senayanuser'@'localhost'
      -> IDENTIFIED BY 'password_senayanuser';
Query OK, 0 rows affected (0.00 sec)

mysql> quit
Bye
hendro@hubuntu: /usr/local/apache/htdocs/senayan3-stable1$
```

Figure 1.10: Creating a database user via the MySQL console

Optionally, for security reasons, you can create a user specifically for the Senayan database. I run the following command:

```
shell> mysql -u root -p
mysql> GRANT ALL PRIVILEGES ON senayandb.* TO
'senayanuser'@'localhost' IDENTIFIED BY 'password_senayanuser';
```

```
/* LOCAL DATABASE CONNECTION config */
// database constant
// change below setting according to your database
define('DB_NAME', 'senayan');
define('DB_USERNAME', 'senayandb_username');
define('DB_PASSWORD', 'senayandb_password');

// define any other sysconfig variables below
$sysconf['index']['type'] = 'index';
```

Figure 1.11: Configuring a database connection in the file sysconfig.local.inc.php

```
/* LOCAL DATABASE CONNECTION config */
// database constant
// change below setting according to your database
define('DB_NAME', 'senayan');
define('DB_USERNAME', 'senayanuser');
define('DB_PASSWORD', 'password_senayanuser');

// define any other sysconfig variables below
$sysconf['index']['type'] = 'index';
```

Figure 1.12: The configuration database that has been customized

Now edit the sysconfig.local.inc.php¹ file in your favorite editor (eg: notepad, or vim), and change the database connection config. If your database name is different, change the value of the DB_NAME. Likewise with DB_USERNAME and DB_PASSWORD. Save the changes, then close your editor. Beginning from Senayan3-stable15, if you want to install SLiMS you do not need to change the configuration in the file

¹Starting from version Matoa, SLiMS uses sysconfig.local.inc.php for local configuration. That is, if there is a change, or a new configuration file sysconfig.local.inc.php, then that will be read by SLiMS first. Or if there are two configurations in files sysconfig.inc.php and sysconfig.local.inc.php and then SLiMS will read sysconfig.local.inc.php first. To add a configuration or change the local configuration, simply add/copy of sysconfig.inc.php only.

For example:

For mysqldump, in sysconfig.inc.php contents: \$ sysconf ['mysqldump'] = '/usr/bin/ mysqldump'; copy the line, and paste into sysconfig.local.inc.php then adjust to the local conditions.

For example, so: \$ sysconf ['mysqldump'] = '/psenayan/mysql/bin/mysqldump.exe';

1 Introduction

sysconfig.inc.php, but do local database configuration in sysconfig.local.inc.php instead. The location of this file is the same as the location of the file sysconfig.inc.php. In Unix / Linux, the Apache web server must be able to write to the directories holding images and files. This can be done in two ways. Firstly by changing directory permissions so that it can be written (change mode). As root do:

```
shell> chmod -R 777 images  
shell> chmod -R 777 files  
shell> chmod -R 777 repository
```

A second way is to change the ownership of the user directory (you should first know the user who runs the web server process. For example, user "daemon", nobody, etc.). As root do:

```
shell> chown -R daemon images  
shell> chown -R daemon files  
shell> chown -R daemon repository
```



Figure 1.13: The Senayan application can now be used

Now try to access the address <http://localhost/senayan3-stable10/>²

²Beginning from Stable 15 (Matoa), to display bibliographic data in the SLiMS OPAC , indexing must be done first. Indexing is in the System module

1 Introduction

SLiMS should now be able to be used.

2 Home

Since it (SLiMS) was originally developed with state funds, the public must be able to obtain it freely – (Hendro Wicaksono)

When you go to the SLiMS admin page for the first time, there is a Home view, as in the following figure:

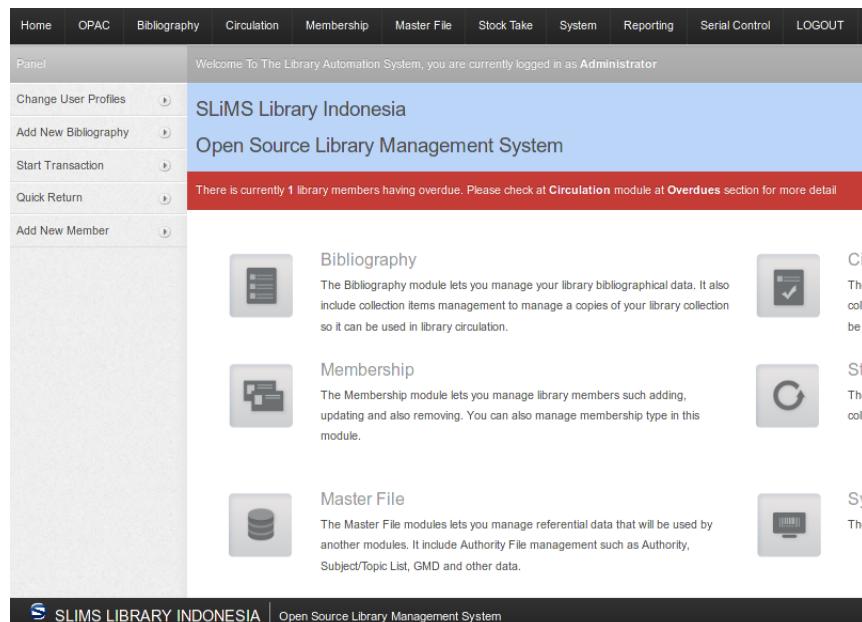


Figure 2.1: Home view

As seen in the Home page above, on the left there are 5 menus. "Change User Profile" is used to change the user's name, and the login username and password. The 4 other menus below are menus that are often used - here the menu items are actually part of particular modules. "Add New Bibliography", is part of the Bibliography Module, "Start Transaction" and "Quick Return" are parts of the Circulation module. "Add New Member" is part of the Membership module.¹.

If there is a red text section, it's a warning sign of overdues and/or that access rights to several folders are still limited. Under ideal conditions, there should be no red section. If there is a folder that still can't be written to, then you should change the permissions on the folder.

¹To learn about these menus please go to the relevant module.

2.1 Installing Portable Senayan in Windows

Portable Senayan for Windows (Psenayan) is a software package that consists of the Senayan application, Apache Web Server, PHP scripting engine, MySQL database server and PHPMyAdmin, with the YAZ library that is used to enable copy-cataloguing (using Z39.50) already installed. Psenayan is intended to allow an easy install in Wuindows without confusion about how to install other software (web server, mysql, php, YAZ etc) first. Just copy, extract it and run!



Figure 2.2: Copy file psenayan*.zip to the root directory/folder

Copy the file `psenayan-x.x.zip` (e.g `psenayan-3.0.zip` - please get the latest release of Psenayan at <http://slims.web.id>) to the root directory. For example to `c:\` or `d:\`. Do not place it inside a directory/folder.

2 Home

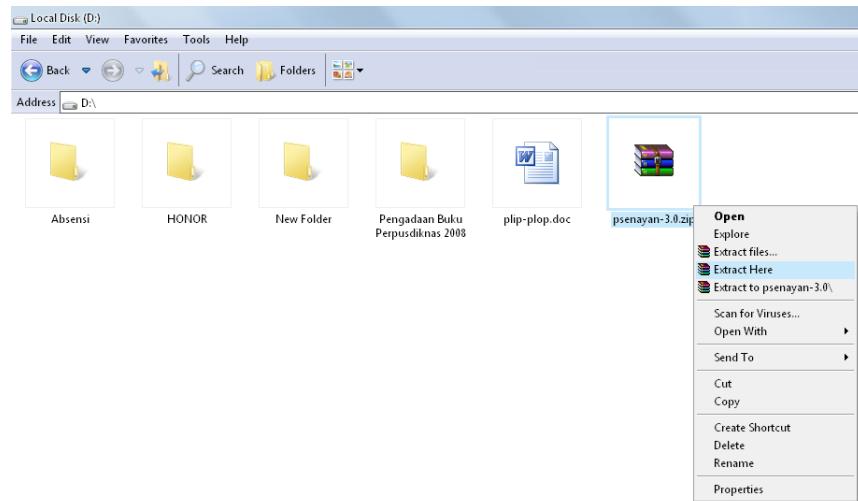
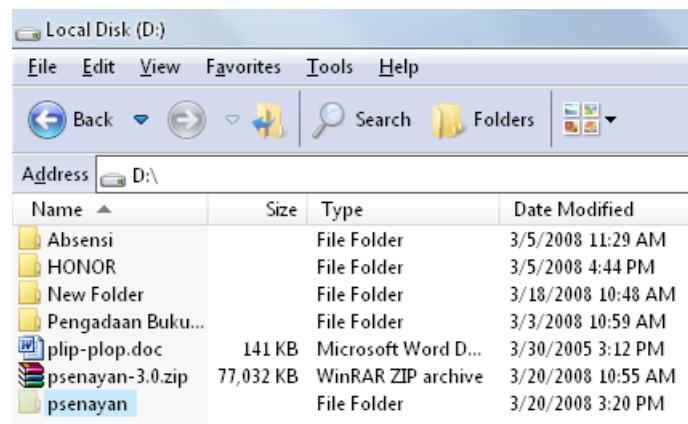


Figure 2.3: Extract psenayan*.zip

Extract the file psenayan*.zip straight to the root directory. If you have installed a utility to extract compressed files such as Winzip or Winrar, usually right-clicking on the file will bring up the option "Extract Here". Select that option.



Name	Size	Type	Date Modified
Absensi		File Folder	3/5/2008 11:29 AM
HONOR		File Folder	3/5/2008 4:44 PM
New Folder		File Folder	3/18/2008 10:48 AM
Pengadaan Buku...		File Folder	3/3/2008 10:59 AM
plip-plop.doc	141 KB	Microsoft Word D...	3/30/2005 3:12 PM
psenayan-3.0.zip	77,032 KB	WinRAR ZIP archive	3/20/2008 10:55 AM
psenayan		File Folder	3/20/2008 3:20 PM

Figure 2.4: Folder psenayan has been formed

The folder "psenayan" will automatically be created . Next go into that directory

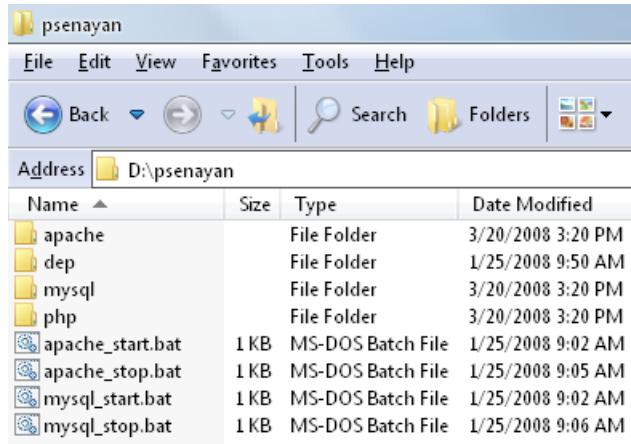


Figure 2.5: Files and folders contained in "psenayan"

Now run the file "apache_start.bat" and then "mysql_start.bat". Always run file "apache_start.bat" first (double-click on the file).



Figure 2.6: In some versions of Windows, a firewall message will appear when apache is first run

When Windows Firewall is active, it will usually pop-up "Windows Security Alert ". Click the "Unblock" option to allow the computer to run the Apache web server.

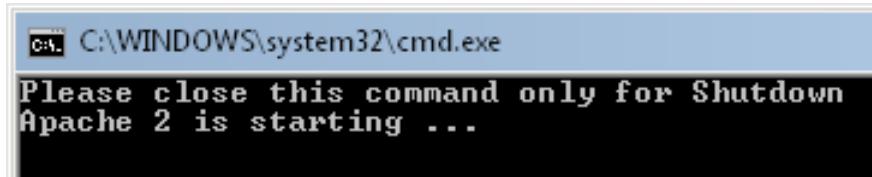


Figure 2.7: Apache has started OK

If the Apache process is successfully enabled, a window will appear with the message "Apache 2 is starting ". Leave the window open.



Figure 2.8: In some versions of Windows, a firewall message will appear when MySQL is first run

Next, activate the mysql database server by double-clicking on the file "Mysql_start.bat". If Windows Firewall is active, a popup "Windows Security Alert" will usually appear. Click the "Unblock" option to allow the computer to run the MySQL database server.

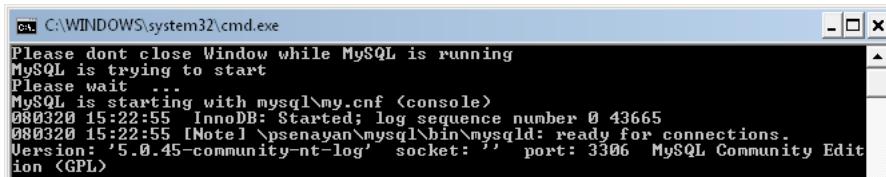


Figure 2.9: MySQL has started OK

If the MySQL server is successfully activated, a window will appear with the message "ready for connections ". Leave the window open.

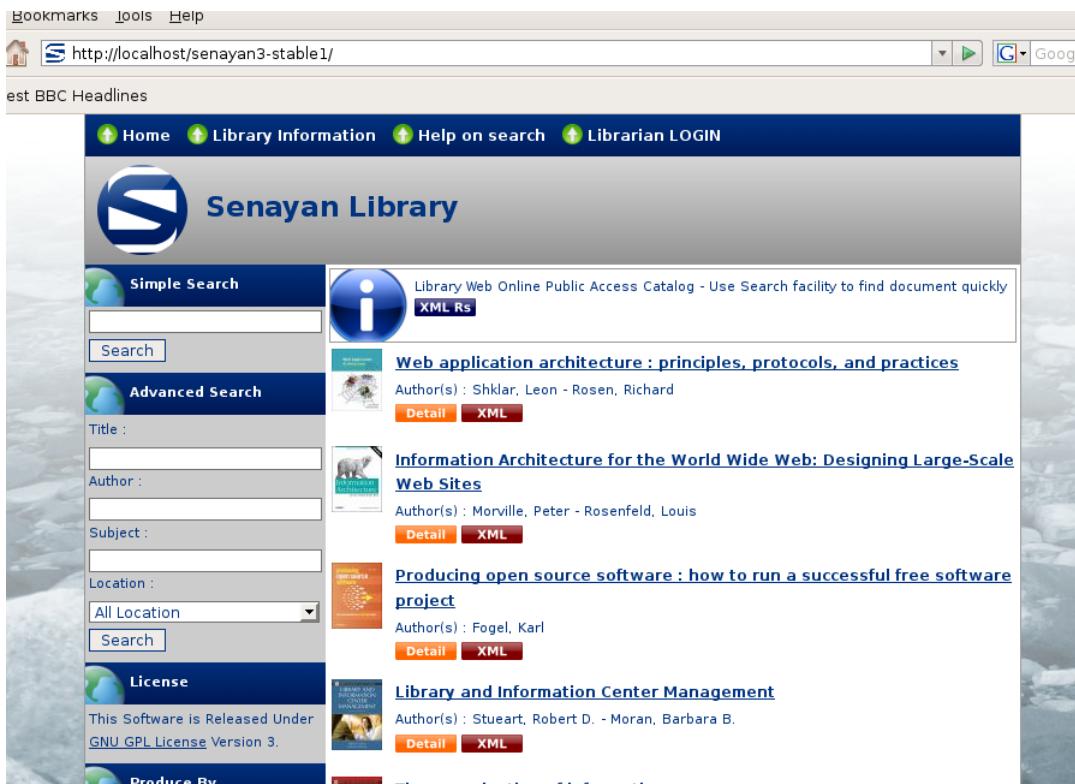


Figure 2.10: Senayan application can now be used

Open your browser and access `http://localhost`. The Senayan application OPAC will appear. Now Senayan can be used. If you want to turn off the Apache and MySQL processes , double-click on the files "apache_stop.bat" and "mysql_stop.bat". To get into the administration menu, please click "Librarian Login ": The default Username= *admin* and the password= *admin*. The default username and password to log into PhpMyAdmin in Psenayan is: username= *root* and password= *pseyanan*. In Psenayan, the URL to enter in order to access phpMyAdmin is `http://localhost/pma/`. For security, you should always change the default logins, particularly for a production installation.

2.2 Installation using the Installer

With SLiMS Meranti, in addition to the manual installation (the first way), installation can also be performed using the SLiMS Installer features. The steps to use the SLiMS installer are:

1. Create a database
2. Create a username and password for the database
3. Call SLiMS with a webbrowser, e.g <http://localhost/slims-slims5/>, then the browser will automatically redirect to <http://localhost/slims-slims5/install/index.php>.

The appearance of the steps are as follows:

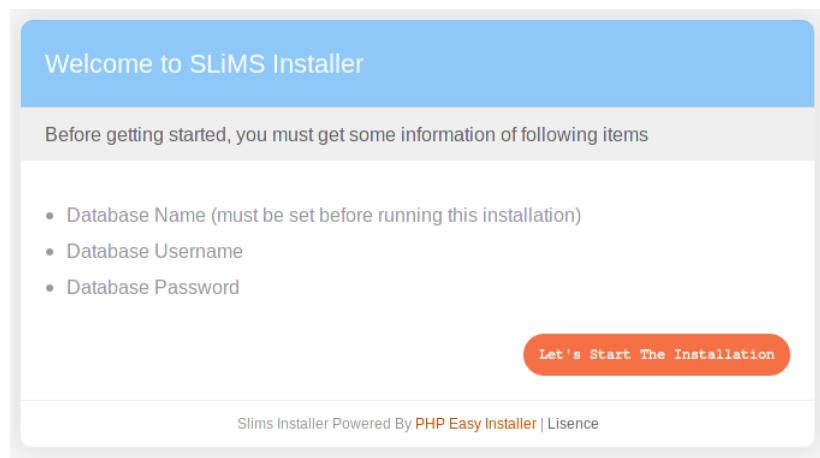


Figure 2.11: Installer Feature

Click on Let's Start The Installation

4. Fill in the host, database name, username and password that will be used (already made earlier). As well, specify whether to install the sample data or not. Display fields as shown below:

2 Home

Step 1 - Generate the database

Please complete following form with your database connection information

Database Host	localhost	default : localhost
Database Name	meranti	
Database Username	slims-ins	
Database Password	slims-ins	

Generate Sample Data Yes No

[Cancel](#) [Continue](#)

Slims Installer Powered By [PHP Easy Installer](#) | Licence

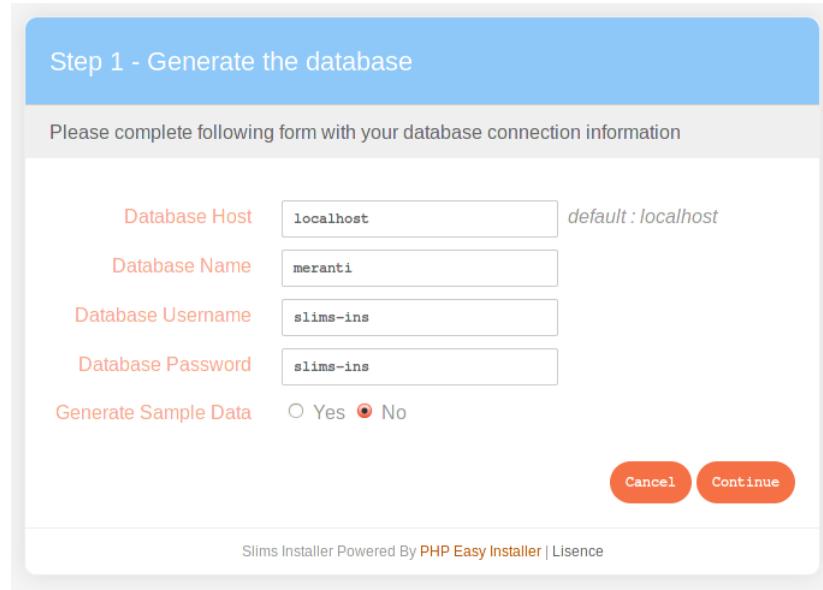


Figure 2.12: Filling the Installer Feature

5. Click Continue. If successful, the display will appear as follows:

Step 2 - Installation Completed

Hooray, the installation was successful

The sysconfig.local.inc.php file was sucessfully created.
For security reasons, please remove install/ folder from your server.

[OK, start the SLiMS](#)

Slims Installer Powered By [PHP Easy Installer](#) | Licence

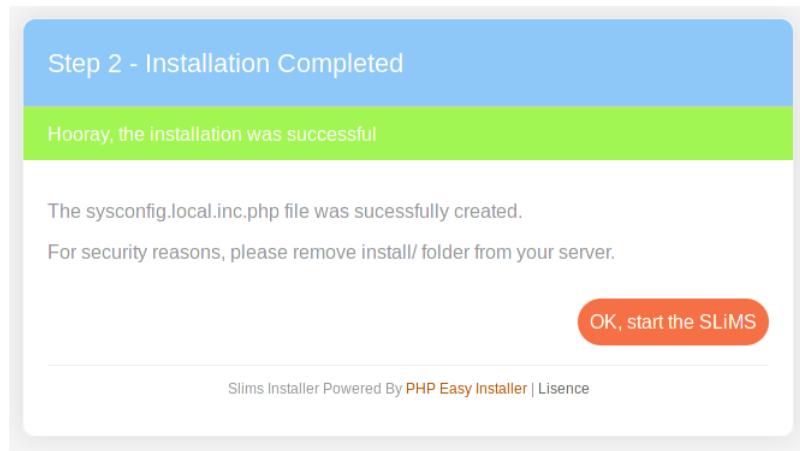


Figure 2.13: Installation using the Installer Feature completed successfully

As shown in the figure above, for security, please remove the install folder.

3 Bibliography

Libraries are not made; they grow. - Augustine Birrell

[Note: The term “BIBLIOGRAPHY” here refers to an entry for a title on the catalog database, in the sense of Descriptive Bibliography (see <http://en.wikipedia.org/wiki/Bibliography>). Some readers may be more accustomed for the term “Title” to be used in this context, with the term “Bibliography” being used to describe a reference list (Enumerative Bibliography) . For the sake of consistency with the software, this translated manual stays with the term “Bibliography”]

This module contains the menus “Add New Bibliography”(making bibliographic data / new catalog entry), “Bibliographic List” (view bibliography/catalog entry), “Item List” (view a list of items/copies in the collection”), “Checkout Items” (view a list of items that were borrowed). In addition, the module also comes with copy-cataloging, label printing, barcode printing for items, data import, data export, item import, and item export. Showing a bibliography list is done by clicking on the navigation “Bibliography List”, so if we want to see a list of items then click on the “Item List”. To see items being borrowed, click “Checkout Items” on the menu.

3.1 “Add New Bibliography” Menu

This menu is used to add a new bibliography. Click on the “Add New Bibliography”. A screen will appear as below:

3 Bibliography

The screenshot shows a web-based form for adding bibliographic data. The title bar says 'Bibliographic'. Below it is a search bar with fields for 'Search', 'All Fields', and a 'Search' button. A 'Save' button is also present. The main area contains several input fields:

- Title***: A text input field.
- Statement of Responsibility**: A text input field containing "Statement of Responsibility".
- Edition**: A text input field.
- Specific Detail Info**: A large text input field.
- Item(s) code batch generator**: A section with a 'Pattern' input (containing "B00000"), 'From' input (containing "0"), and 'To' input (containing "0").
- Author(s)**: A section with an 'Add Author(s)' button.
- GMD**: A dropdown menu set to "Text".
- Frequency**: A dropdown menu set to "Not Applicable". A note next to it says "Use this for Serial publication".

Figure 3.1: Form for adding bibliographic data / cataloguing

The metadata fields we should complete are :

- Title
- Statement of Responsibility
- Edition
- Specific Detail Info: specific information, such as the scale of a map, which serial records are held etc.
- Item(s) Code Batch Generator:

This section is loaded with **Pattern**, **From** and **To**. **Pattern** contains patterns of item codes/ barcodes that are desired, such as B01, Example of use: **From** contains 1, **To** contains 10. This means that librarians want item codes *B011*, *B012* *B0110* generated. This model will help a library that often receives copies of books in large quantities e.g. a school library. If the **Pattern** is filled “B00”, with **From** containing “1” and **To** containing “5” then the result would be *B01*, *B02*, *B03*, *B04*, *B05*. However, you can still use the "Add New Exemplar " to create a new data item

- Author(s)

3 Bibliography

- GMD : General Material Designation
- Frequency: the frequency of periodicals, This field gets data from the master file. If the field is filled, then the data will be detected as a serial bibliography and appeared in the serial control module.
- ISBN/ISSN : ISBN or ISSN number
- Class : Classification numbers (DDC, UDC or other). This is very useful in the stocktake.
- Publisher : the publisher's name, taken from the data on the master file
- Publish Year : year of publication
- Publication Place : place where published
- Collation : collation/physical description
- Series Title : (if any)
- Call Number :
- Topics : topic/subject. This data is also linked to the master file
- Classification: a feature to take the classification number from the master file.



Figure 3.2: Classification

- Language : the main language used in the item
- Abstract/Notes : an abstract of, or important notes relating to, the item,
- Image : an image file (usually of covers) that shows the appearance of the title. This picture will appear in the OPAC
- Attachment : can contain files relating to the item (eg scanned pages), or multimedia files related to the bibliographic data. Files that can be uploaded are any files with extensions: .pdf, .rtf, .txt, .odt, .odp, .ods, .doc, .xls, .ppt, .avi, .mpeg, .mp4, .flv, .mvk, .wmv, .jpg, .jpeg, .png, .gif, .ogg, .mp3, .wma, and .csv. If what you have uploaded is a multimedia file, then later Senayan can play it by streaming with the program Flowplayer, and it can not be directly downloaded. But if the file being uploaded is a non-multimedia file, the file will be able to be downloaded.

3 Bibliography

(An example of multimedia file playback would be when the item is displayed on the OPAC). The upload can contain more than one file , and can be set to public (viewable by all users) or private (based on the type of membership). These are the terms of access restrictions:

- File access is limited via Senayan-based group (membership type). So the restriction of access is integrated with the type of membership. You cannot restrict access on an individual basis.
- There are two types of access to files: "public" and "private".
- If the selected access is "private", the file can not be accessed at all by anyone.
- If the selected access is "public" and not checked for any group that can access, then the file can be downloaded by everyone.
- If the selected file access "public" and checked for any group permitted access, then the file can be downloaded only by members who have logged in and registered in the permitted group.

Upload Now	
Title	: Alexandria_1
Attachment	: alexa.flv
URL	: http://youtube.com
Description	: Film tentang Perpustakaan Alexandria
Access	: Private
Access Limit by Member Type	: <input type="checkbox"/> Mahasiswa <input type="checkbox"/> Dosen <input type="checkbox"/> Karyawan

Figure 3.3: File Attachment

To add to the types of files that can be uploaded, please read the Tips and Tricks section.

- Hide in OPAC:
 - Show: Bibliography data can be accessed through the OPAC.
 - Hide: Bibliography data is hidden and not accessible through OPAC
- Promote in Homepage: to select a whether, or not, a bibliography will appear on the front page.

3 Bibliography

- Label: To provide specific information about the bibliography. Labels can be defined in the Master File menu. By default Senayan has three labels: “New Title”, “Favorite Title” and “Multimedia”.

Features “Promote to Homepage” and Show Promoted Titles are associated with the configuration of the Homepage available at the System Configuration Module. The label must be defined in the Master File first. The label field, may be completed with the appropriate bibliography URL .

The screenshot shows a configuration interface for a bibliographic record. It includes the following fields:

- Image:** A file attachment field with the value "webapp_arch.jpg", a "Browse..." button, and a "Maximum 500 KB" limit.
- File Attachment:** A "Add Attachment" button.
- Hide in OPAC:** Radio buttons for "Show" (selected) and "Hide".
- Promote To Homepage:** Radio buttons for "Don't Promote" (selected) and "Promote".
- Label:** A section with three entries:
 - New Title: A radio button next to a book icon, with a URL input field below it.
 - Favorite Title: A radio button next to a heart icon, with a URL input field below it.
 - Multimedia: A radio button next to a disc icon, with a URL input field below it.

At the bottom are "Update", "Cancel", and "Delete Record" buttons.

Figure 3.4: Features: Hide in OPAC, Labels, and Promote to Homepage

Once the data is entered, click Save. If successful, the system will display the information that the bibliographic data, files and images have been successfully saved. The screen will not change, but it will grow. Adding to that is the result generated according to the loaded items. It is located under the Specific Details Info.

3 Bibliography

Update		Cancel		Delete Record							
Title*	:	SLiMS dalam pembangunan perpustakaan									
Statement of Responsibility	:	Hendro Wicaksono									
Edition	:										
Specific Detail Info	:										
Item(s) code batch generator	:	Pattern:	b00000	From:	0						
		To:	0								
Item(s) Data	:	<table border="1"> <tr> <td>Edit</td> <td>Delete</td> <td>B003</td> </tr> <tr> <td>Edit</td> <td>Delete</td> <td>B004</td> </tr> </table>				Edit	Delete	B003	Edit	Delete	B004
Edit	Delete	B003									
Edit	Delete	B004									

Figure 3.5: The results of the pattern-making item codes

The next task is to edit the item code and put the item in accordance with the identity of the item received. The Item code is a unique code that represents each copy of the bibliography. If, after the initial input it turns out there are more new copies, they can be added by clicking on the Add New Item. It will display a pop-up window like the image below:

3 Bibliography

Update Cancel Delete Record	
Title : Linux In a Nutshell Edit Bibliographic data	
Item Code : B00010	
Call Number : 005.4/32-22 Ell 1	
Inventory Code : INV/B00010	
Location : My Library	
Shelf Location :	
Collection Type : Reference	
Item Status : Available	
Order Number :	
Order Date : 0000-00-00	
Receiving Date : 0000-00-00	
Supplier : Not Applicable	

Figure 3.6: Pop-up window to add the item/copy

The form for the addition of these items contains the following fields:

- Title
- Item code
- Call Number
- Inventory Code
- Location (linked and refers to Master File)
- Shelf Location
- Collection Type
- Item Status
- Order Number
- Order Date
- Received Date
- Supplier

3 Bibliography

Search :		All Fields	Search	Bibliographic List	Add New Bibliography	
DELETE	EDIT	Title		ISBN/ISSN	Copies	Last Update
<input type="checkbox"/>	<input checked="" type="checkbox"/>	PostgreSQL : a comprehensive guide to building, programming, and administering PostgreSQL databases Douglas Korry - Douglas, Susan		0735712573	1	0000-00-00 00:00:00
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Ajax : creating Web pages with asynchronous JavaScript and XML Wojciechowski, Edmond		9780132272674	1	0000-00-00 00:00:00
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Corruption and development Robinson, Mark		9780714649023	1	2007-11-29 16:20:53
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Corruption and development : the anti-corruption campaigns Bracking, Sarah		0230525504	1	2007-11-29 16:19:48
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pigs at the trough : how corporate greed and political corruption are undermining America Huffington, Arianna Stassinopoulou		1400047714	1	2007-11-29 16:18:33
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lords of poverty : the power, prestige, and corruption of the international aid business Hancock, Graham		9780871134691	1	2007-11-29 16:13:11

Figure 3.7: Bibliographic list

- Item Source
- Invoice
- Invoice Date
- Price

3.2 “Bibliographic List” Menu

This menu is used to view the bibliographic data that already exists in the Senayan database . The information displayed in this menu includes: Title, Author, ISBN / ISSN, Copies and Last Update. This menu allows us to sort the list based on Title/Author, ISSN / ISBN, copies and also the last update. Using this menu bibliographies can be searched for, to edit or delete. Here are the steps to edit or delete a bibliography via the “Bibliographic List” menu:

- Find a bibliography that will be changed by typing the title in the Search Bibliography, select the field, and then click Search
- Once found, tick the Delete check-box alongside the data to be deleted and click Delete Selected Data, or click the edit icon (left of the title) to edit.
- A display of bibliographic data which is to be edited appears.
- Activate the edit mode by clicking the Edit icon in the lower right corner or the upper right corner.
- Edit the parts needed, and then click Save Change.

3 Bibliography

The screenshot shows a form titled 'Edit bibliography'. At the top left are buttons for 'Update', 'Cancel', and 'Delete Record'. At the top right is a red 'EDIT' button. The form contains several input fields and tables:

- Title***: Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary
- Edition**: (empty)
- Specific Detail Info**: (empty)
- Item(s) Data**:
 - Add New Items
 - B00007 (with Edit and Delete buttons)
 - B00008 (with Edit and Delete buttons)
- Author(s)**:
 - Add Author(s)
 - Raymond, Eric (with Delete button)
- GMD**: Text
- Frequency**: NOT APPLICABLE
- ISBN/ISSN**: 0-596-00108-8

Figure 3.8: Edit bibliography

3.3 “Item List” Menu

This menu is used to view items in the Senayan database. The information contained in this menu are: Item Code, Title, Type, Location, Class, and Last Update. This menu can also be used to edit and delete items. Here are the steps to edit or delete an item:

- Find the item you want to change/remove by typing the title or item code in the Search field, and then click Search
- Once found, tick the Delete check-box alongside the data to be deleted and click Delete Selected Data, or click the edit icon (left of the title) to edit.
- A display of bibliographic data which is to be edited appears.
- Activate the edit mode by clicking the Edit icon in the lower right corner or the upper right corner.
- Edit the parts needed, and then click Save Change.

3.4 “Checkout Items” Menu

This menu provides information about the item being borrowed. This menu is also equipped with a search facility to find bibliographic items and titles. The information contained in this menu is: Item Code, Member ID Borrower, Title, Loan Date (when lent), Due Date (date of return).

3 Bibliography

DELETE	EDIT	Item Code	Title	Collection Type	Location	Classification	Last Updated
<input type="checkbox"/>	<input checked="" type="checkbox"/>	B00010	Linux In a Nutshell Siever, Ellen - Love, Robert - Robbins, Arnold - Figgins, Stephen - Weber, Aaron	Reference	My Library	005.4/32 22	2008-12-26 22:19:57
<input type="checkbox"/>	<input checked="" type="checkbox"/>	B00009	Linux In a Nutshell Siever, Ellen - Love, Robert - Robbins, Arnold - Figgins, Stephen - Weber, Aaron	Reference	My Library	005.4/32 22	2008-12-26 22:19:28
<input type="checkbox"/>	<input checked="" type="checkbox"/>	B00008	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary Raymond, Eric	Reference	My Library	005.4/32 22	2008-12-26 22:18:51
<input type="checkbox"/>	<input checked="" type="checkbox"/>	B00007	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary Raymond, Eric	Reference	My Library	005.4/32 22	2008-12-26 22:18:29
<input type="checkbox"/>	<input checked="" type="checkbox"/>	B00006	Corruption and development Robinson, Mark	Reference	My Library	364.1/322/091724 21	2008-12-26 22:17:52
<input type="checkbox"/>	<input checked="" type="checkbox"/>	B00005	Corruption and development : the anti-corruption campaigns Bracking, Sarah	Reference	My Library	364.1/323091724 22	2008-12-26 22:17:04

Figure 3.9: Item list

[Update](#)
[Cancel](#)
[Delete Record](#)

Title	:	Linux In a Nutshell Edit Bibliographic data
Item Code	:	<input type="text" value="B00010"/>
Call Number	:	<input type="text" value="005.4/32-22 Ell 1"/>
Inventory Code	:	<input type="text" value="INV/B00010"/>
Location	:	<input type="text" value="My Library"/>
Shelf Location	:	<input type="text"/>
Collection Type	:	<input type="text" value="Reference"/>
Item Status	:	<input type="text" value="Available"/>
Order Number	:	<input type="text"/>
Order Date	:	<input type="text" value="0000-00-00"/> [x]

Figure 3.10: Edit item

Daftar Eksemplar Keluar					
Pencarian :			Submit Query		
Kode Eksemplar	ID Anggota	Judul	Tanggal Pinjam	Tanggal Harus Kembali	
B00005	123	Corruption and development : the anti-corruption campaigns	2012-03-24	2012-03-31	
B00010	123	Linux In a Nutshell	2012-03-24	2012-01-31	

Figure 3.11: Checkout item

3 Bibliography

The screenshot shows a web-based search interface for the Z3950 SRU service. At the top, there are search fields for 'Search' (containing 'laskar pelangi'), 'All fields', and 'SRU Server' (set to 'Library of Congress SRU Voyager'). A 'Search' button is also present. Below these, a message says 'Please make sure you have a working Internet connection.' A green banner at the top indicates 'Found 12 records from Z3950 SRU Server.' A blue button labeled 'Save Z3950 Records to Database' is visible. The main area lists four search results, each with a checkbox:

- Album musikal laskar pelangi: original cast recording**
- Laskar pelangi**
Lesmana, Mira. - Aristo, Salman - Bagir, Haidar. - Widjanarko, Putut. - Rahardjo, Slamet - Noer, Jajang C.
- Laskar pelangi**
- Sang pemimpin**
Lesmana, Mira. - Riza, Riri - Aristo, Salman - Unru, Yayu A. W. - LC Purchase Collection (Library of Congress)

Figure 3.12: Copy-cataloging Process using Z39.50 SRU

3.5 Copy Cataloging

SLiMS optimizes copy cataloging via 3 data exchange services: Z39.50 SRU xml format using MODS, Z39.50 which utilizesYAZ, and P2P service between SLiMS utilizing XML.

3.5.1 Z 39.50 SRU: Search/Retrieval via URL

A feature that is used for the process of copy-cataloging, as in the Z39.50 Service. The difference from the users side is that the use of SRU does not require YAZ installation, thus simplifying setup. Additionally, SRU uses the http protocol, and so should not have problems with firewalls.

3.5.2 Z39.50 Service

This is a new feature which commenced with SLiMS3-Stable10, which allows library users to take Senayan library data from other libraries. By default SLiMS points to the Library of Congress (<http://loc.gov>), but other sources can be added at will. Librarians simply enter the title, author or ISBN/ISSN, then Senayan will retrieve the data. If there is more than one result, then the librarian is able to select the desired bibliography and save it.

For effective use of Z39.50 it is best to use ISBN/ISSN, because ISBN/ISSN searches will be more accurate.

3 Bibliography



Figure 3.13: The initial Z39.50 process



Figure 3.14: The second Z39.50 process

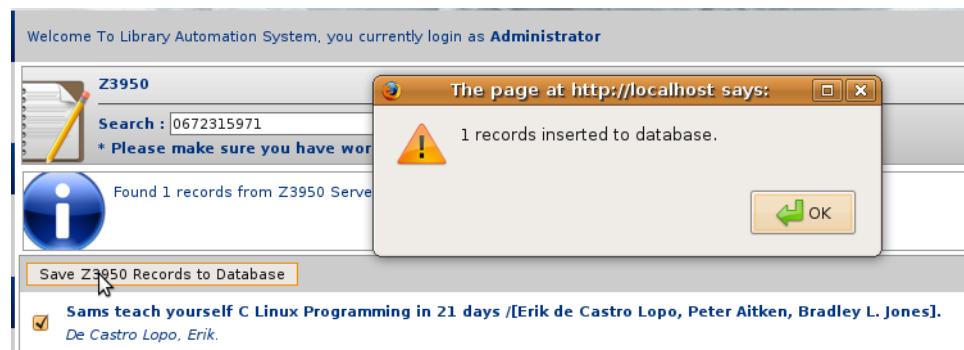


Figure 3.15: The third Z39.50 process

3 Bibliography

<input type="button" value="Update"/>	<input type="button" value="Cancel"/>	<input type="button" value="Delete Record"/>
Title*	: Sams teach yourself C Linux Programming in 21 days	
Edition	:	
Specific Detail Info	:	
Item(s) Data	:	
	No Data	
Author(s)	:	
	Delete	De Castro Lopo, Erik.
	Delete	Aitken, Peter G.
	Delete	Jones, Bradley.
GMD	:	
Frequency	:	
	NONE	Use this for Serial publication
ISBN/ISSN	:	
	0672315971	
Classification	:	
	005.26/8	
Publisher	:	
	Sams,	<input type="button" value="Delete"/>
Publish Year	:	
	2000	

Figure 3.16: The Z39.50 Results

To use Z39.50 (without SRU) the YAZ library has to be installed first. YAZ installation details can be found at <http://dicarve.blogspot.com>. While in Psenayan YAZ is already packaged, the port that YAZ uses is also required to be open in any firewall that might exist on your computer/network. The URL providing details of the Z39.50 protocol can be seen at <http://irspy.indexdata.com/>. In addition to major libraries, SLiMS can also retrieve data (copy-catalog), using the Z39.50 protocol, from another application, such as Koha.

3.5.3 “P2P Service” Menu

P2P Service is a new feature that commenced with Senayan3-Stable14. The basic concept of this feature is to share bibliographical data among Senayan users. This is an XML P2P service utilizing the facilities that already exist in Senayan for sharing catalog data. To use this P2P service, simply click the P2P service, enter a keyword and select the location / url / library intended to search. If the system finds a searchable collection, it will be displayed.

Search on P2P service can use specific Boolean search models. For example ISBN = 0-596-00108-8 AND Title = bazaar. Besides ISBN and Title, details can also search using Author, GMD and Subject.

3 Bibliography



Figure 3.17: P2P Service

P2P can be configured through changes to the sysconfig.inc.php file as the following example:

Find the line shown below,

```
$sysconf['p2pserver'][1] = array('uri' => 'http://127.0.0.1/senayan3-stable14', 'name'  
=> 'SLiMS Library');
```

Then edit it to the address and name of the target library. P2P can also read itself. If there is more than one addressee, it can be added to the row below, as in the following example:

```
$sysconf['p2pserver'][1] = array('uri' => 'http://127.0.0.1/slims', 'name' => 'SLiMS  
Library');  
$sysconf['p2pserver'][2] = array('uri' => 'http://perpustakaan.kemdiknas.go.id/digilib/',  
'name' => 'Perpustakaan Diknas');  
$sysconf['p2pserver'][3] = array('uri' => 'http://lib.geologi.ugm.ac.id/lib', 'name' =>  
'Perpustakaan Geologi UGM');
```

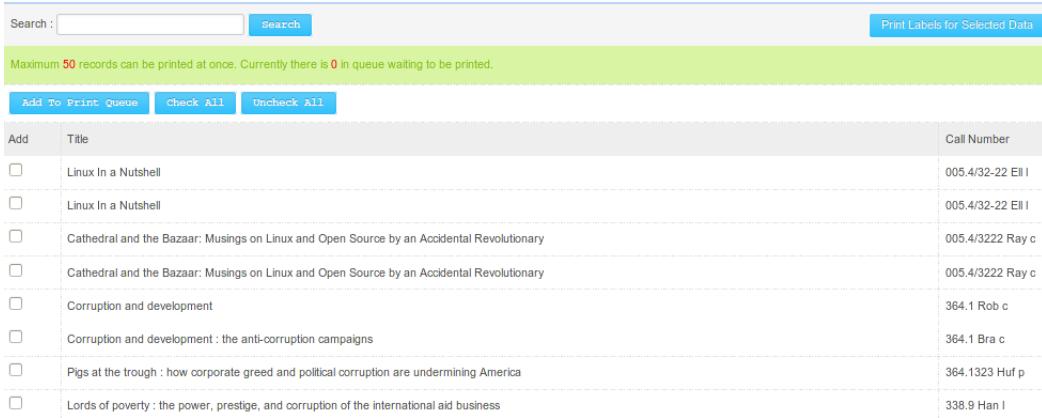
A Senayan OPAC which aspires to capture data using P2P must enable the XML feature. This feature can be enabled in the System Module. P2P can only be done in Senayan from stable-13 onwards.

3.6 “Labels Printing” Menu

With this menu you can print labels based on the collection of bibliographic data which is entered in SLiMS. The following sequence prints labels using Printing Labels menu:

- Click Labels Printing, and the display will appear as follows:

3 Bibliography



The screenshot shows a list of books in a table format. The columns are 'Add' (checkbox), 'Title', and 'Call Number'. There are 10 entries listed:

Add	Title	Call Number
<input type="checkbox"/>	Linux In a Nutshell	005.4/32-22 Ell I
<input type="checkbox"/>	Linux In a Nutshell	005.4/32-22 Ell I
<input type="checkbox"/>	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary	005.4/3222 Ray c
<input type="checkbox"/>	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary	005.4/3222 Ray c
<input type="checkbox"/>	Corruption and development	364.1 Rob c
<input type="checkbox"/>	Corruption and development : the anti-corruption campaigns	364.1 Bra c
<input type="checkbox"/>	Pigs at the trough : how corporate greed and political corruption are undermining America	364.1323 Huf p
<input type="checkbox"/>	Lords of poverty : the power, prestige, and corruption of the international aid business	338.9 Han I

Figure 3.18: Labels printing

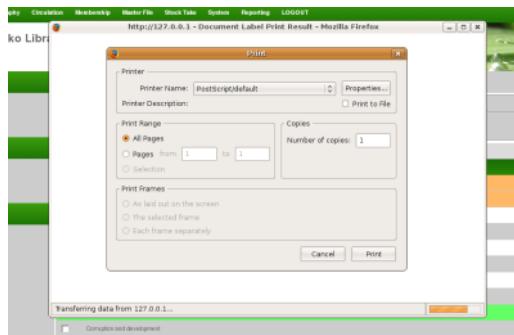


Figure 3.19: Select printer options

- Select the bibliography to print the label. Use Shift + click a checkbox to select more than one in rapid sequence. Note: one print run can only contain a maximum of 50 records. In this Print Label menu, it is possible to print more than one label, depending on how many copies of a title exist.
- Click Add to Print Queue to enter a selection in the print queue.
- Click Print to start printing the Selected Data, it will display a pop-up that asks you to send labels to the printer.

3.7 “Item Barcodes Printing” Menu

The menu provides a means to print barcode-based data items that have been included in SLiMS. The following sequence shows barcode printing using the menu item Barcodes

3 Bibliography



Figure 3.20: The results

A screenshot of a web-based application for item barcode printing. At the top, there is a search bar and a 'Search' button. Below that, a message states 'Maximum 50 records can be printed at once. Currently there is 0 in queue waiting to be printed.' There are three buttons: 'Add To Print Queue', 'Check All', and 'Uncheck All'. The main area is a table with columns 'Add', 'Item Code', and 'Title'. Four items are listed, each with a checked checkbox in the 'Add' column:

Add	Item Code	Title
<input checked="" type="checkbox"/>	B00010	Linux In a Nutshell
<input checked="" type="checkbox"/>	B00009	Linux In a Nutshell
<input checked="" type="checkbox"/>	B00008	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary
<input checked="" type="checkbox"/>	B00007	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary

Figure 3.21: Item barcode printing

Printing:

- Click the Item Barcode Printing, the display will appear as follows:
- Select the item to be printed. Use Shift + click a checkbox to select more than one in rapid sequence. Note: one print run can only contain a maximum of 50 records
- Click Add to Print Queue to enter a selection in the print queue.
- Click the Print Selected Data to start printing. It will display a pop-up that asks us to print.

3.8 “Catalog Printing” Menu

This feature can be used to print a card catalog. Printing is similar to printing a barcode or book label . The results of printing are as shown below:

3 Bibliography

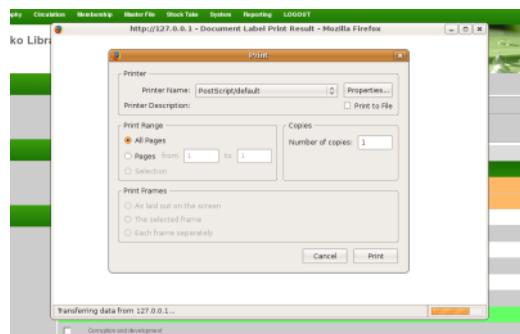


Figure 3.22: Select printer options



Figure 3.23: The results

3 Bibliography

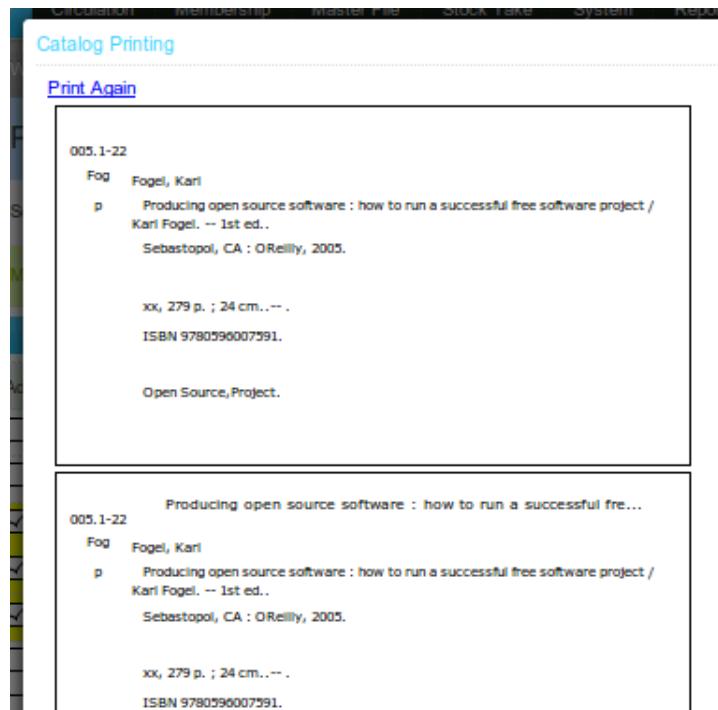


Figure 3.24: Print catalog

3.9 “MARC Import” Menu

This feature is used to import MARC data files with either extension .MRC or .XML. Before using this feature, it's a condition that the SLiMS server has been installed with PEAR, FILE_MARC and Structures_LinkedList. On servers that use Ubuntu Linux, you can use the following command:

```
sudo pear install channel://pear.php.net/Structures_LinkedList-0.2.2
channel://pear.php.net/File_MARC-0.6.2
```

If these are not installed, then the display features are as follows:

If they are already installed, then the display is:

3 Bibliography

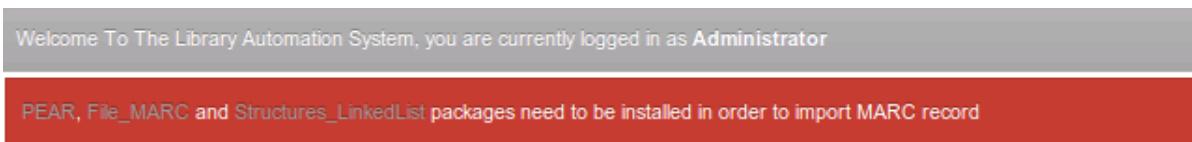


Figure 3.25: MARC Import does not work

A screenshot of the "MARC Import tool" interface. It has a light blue header with the title "MARC Import tool". Below it is a green informational bar stating: "Import bibliographic records from MARC file. The file can be native MARC record format file (.mrc) or MARCXML XML file (.xml). File_MARC package installed in your system. To convert native/legacy MARC file to MARCXML you can use MARCXML Toolkit". There are two "Import Now" buttons, one in each section. The first section, "File To Import", contains a file input field with a "Browse..." button and a note "Maximum 1024000 KB". The second section, "Number of records to import (0 for all records)", contains an input field with the value "0".

Figure 3.26: MARC Import ready for use

If you have a MARC file, for example .MRC (if you do not have one, you can download a sample MARC file with extension .MRC at http://www.gale.cengage.com/marc_records/) you can process it by clicking BROWSE and selecting the file you want to import. “Number of records to import” means how many records will be imported, 0 means all records in the database file. If successful, the system will display the view as follows:

3.10 “Import Data” Menu

The “Import Data” menu is used to retrieve bibliographic data from outside SLiMS in csv format (or from a database that has been exported from Senayan in csv format), and then subsequently include it in Senayan.

For instructions on importing data in more detail, please refer to the manual for conversion of data from Athenaeum to Senayan and SIPISIS to Senayan. Manuals for the conversion can be found at
[thehttp://slims.web.id/download/docs/tutorial-athen2senayan.pdf](http://slims.web.id/download/docs/tutorial-athen2senayan.pdf)
and <http://slims.web.id/download/docs/tutorial-isis2senayan.pdf>

3 Bibliography

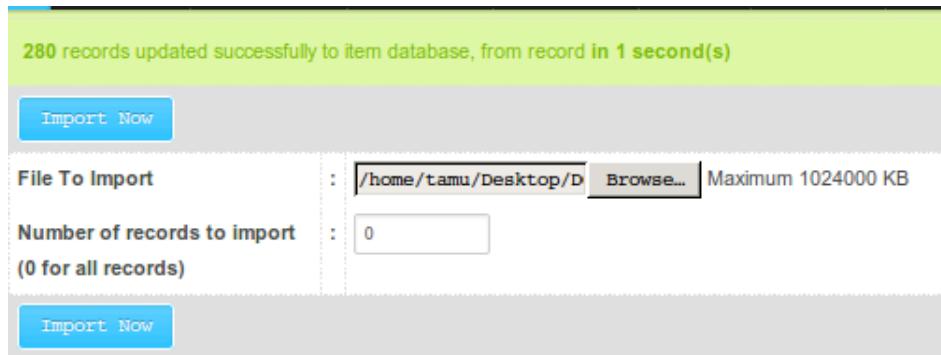


Figure 3.27: MARC Import successfully executed

Additionally, the Senayan Development Team also provides online tools for conversion to Senayan. This tool can be accessed at <http://slims.web.id/senayan-converter/>

3.11 “Export Data” Menu

The Export Data menu is used to retrieve bibliographic data in the Senayan application , to then be included in an application other than Senayan. This process can be understood as a data exchange.

The export process will generate a .csv file, while the import process requires the file format to be .csv. The format of the sequential csv is as follows: Title, GMD, Edition, ISBN, Publisher, Yr published, Physical Description, Series Title, Call Number, Language, Place Published, Classification, Note, Image file name, file attachment file name, author , subject, barcode.

Examples are as follows:

```
"Linux In a Nutshell","Printed Book","Fifth Edition","9780596009304","O'Reilly",
"2005","xiv, 925 p. : ill. ; 23 cm.","In a Nutshell","005.4/32-22 El1
1","English","Sebastopol, CA","005.4/32 22","","linux_in_a_nutshell.jpg",
","", "<Siever, Ellen><Love, Robert><Robbins, Arnold><Figgins, Stephen><Weber,
Aaron>","<Operating System><Linux><Computer>","<B00009><B00010>"
```

Exports are in the form:

Description:

- Field Separator : to define the separation between fields
- Field Enclosed with : define the character of the beginning and end of each field

3 Bibliography

Export bibliographics data to CSV file

Export Now

Field Separator*	:	<input type="text" value=""/> ,
Field Enclosed With*	:	<input type="text" value"=""/> "
Record Separator	:	<input type="text" value"=""/> NEWLINE
Number of Records To Export (0 for all records)	:	<input type="text" value"=""/> 0
Start From Record	:	<input type="text" value"=""/> 1

Export Now

Figure 3.28: Export Bibliography Process

- Field Record Separator : character separating records
- Number of Records to Export:
- Start From Record: begin exporting from Record number

Description:

- File To Import : File to import, extension .csv, and with the format of .csv used by Senayan (see example above)
- Field Separator: Inter-field separator used
- Field Enclosed with: define the character of the beginning and end of each field
- Number of Record to Import:
- Start from record: begin importing from Record number

3.12 “Item Export” Menu

The format of the item data on the SLiMS export procedure is as follows:

```
"B00001","","Reference","INV/B00001","0000-00-00","","","","MyLibrary",
"0000-00-00","","","","1","","500000","Rupiah","0000-00-00",
"2008-12-26 22:11:10","2008-12-26 22:14:13",
"Ajax : creating Web pages with asynchronous JavaScript and XML"
```

3 Bibliography

Import for bibliographics data from CSV file. For guide on CVS fields order and format please refer to documentat

Import Now

File To Import	:	<input type="text"/>	Browse...	Maximum 102400 KB
Field Separator*	:	<input type="text"/> ,		
Field Enclosed With*	:	<input type="text"/> "		
Number of Records To Export (0 for all records)	:	<input type="text"/> 0		
Start From Record	:	<input type="text"/> 1		

Import Now

Figure 3.29: Import Bibliography Process

Make reference to the data format above if you want to enter . csv data into SLiMS. The trick is to adjust the formatin the csv file (e.g via a spreadsheet).

3.13 “Item Import” Menu

Item import is used to insert item data into a SLiMS database. If this activity is done from a single SLiMS database to another SLiMSr, then the item import is done after bibliography import. This means the item will adjust the bibliographic data that has been imported earlier.

3.14 Biblio Custom Field

This feature is used to add a new field in the Bibliography, which might be needed by a library using Senayan, but which is not in the standard SLiMS fields

To add a new field do the following steps:

- Open the file custom_fields.inc.php located in the folder admin/modules/bibliography
- In this file there are five (5) Custom Fields that can be used; if you only want to add one then 2-5 may be removed.
- Next you need to change the field according to the needs of your library. For example, we want to add a name penginput data, then (for example):

3 Bibliography

Librarian	:	<input type="text"/>
Hide in OPAC	:	<input checked="" type="radio"/> Show <input type="radio"/> Hide
Promote To Homepage	:	<input checked="" type="radio"/> Don't Promote <input type="radio"/> Promote
Label	:	 <input type="checkbox"/> New Title URL : <input type="text"/>  <input type="checkbox"/> Favorite Title URL : <input type="text"/>  <input type="checkbox"/> Multimedia URL : <input type="text"/>

Figure 3.30: Biblio Custom

```
'dbfield' => 'librarian', // name of field in 'biblio' table in database, make sure you
'label' => __('Librarian'), // label of field in form
'type' => 'text', // type of field
'default' => "", // default value of field
'max' => '50', // maximum character to enter in 'text' field type
'data' => false, // an array of data for 'dropdown', 'checkboxlist' or 'choice',
'indexed' => true, // NOT APPLICABLE YET, FOR FUTURE RELEASE USE
'width' => 50), // width of field in form for 'text' field type, maximum is 100
```

- The next step is to create a field “librarian” in the table biblio_custom . Table biblio_custom already exists if we install at least Senayan3-stable14 (Seulanga), or is made if you have done the upgrade of SLiMS to Senayan3-stable14
- The result of the addition of these fields appears in the display of “Add New Bibliography”

3 Bibliography

MEMBERSHIP - Add New Member Member List View Expired Member				
 Member Search : <input type="text"/> <input type="button" value="Search"/>				
DELETE	EDIT	Member ID	Member Name	Membership Type
<input type="checkbox"/>		M00002	Arie Nugraha	Standard
<input type="checkbox"/>		M00001	Hendro Wicaksono	Standard

Figure 3.31: List members data

Membership

Your library is your portrait. - Holbrook Jackson

The Membership module is used to manage the members' data . The menu sections are as follows:

3.15 “View Member List” Menu

This is used to view the members who have registered in the system. Information shown is the Member ID, Member Name, Membership Type, Email and Last update. This section is provided with facilities to DELETE and EDIT.

If any user's membership has expired, we can extend it by clicking the EDIT menu. Membership renewal can be done automatically or manually. Automatically, we can do it with the checkbox EXTEND : the membership will be extended for a specified period from the date of renewal. Manually, it can also be done by editing Expiry Date.

As well, extensions can also be done in bulk. The trick is to click “View Expired Member”, Checkbox the member(s) who will be extended, and then click “Extend Selected Member (s)”.

3 Bibliography

<input type="button" value="Update"/>	<input type="button" value="Cancel"/>	<input type="button" value="Delete Record"/>
Extend Membership		
Member ID*	:	<input type="checkbox"/> Extend
Member Name*	:	M00002
Birth Date	:	1982-12-06 <input type="button" value=""/>
Member Since	:	2009-04-15
Register Date	:	2009-04-15 <input type="button" value=""/>
Expiry Date	:	2009-04-15 <input type="button" value=""/>
Institution	:	Perpustakaan Depdiknas
Membership Type	:	Standard <input type="button" value=""/>
Gender	:	<input checked="" type="radio"/> Male <input type="radio"/> Female

Figure 3.32: Renew membership

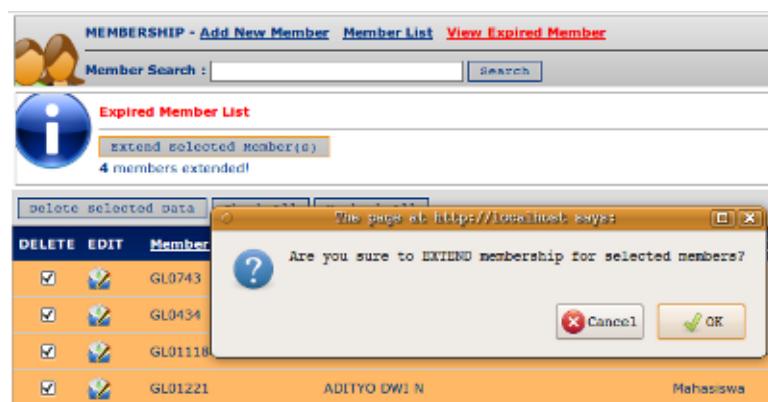


Figure 3.33: Perpanjang Keanggotaan Massal

3 Bibliography

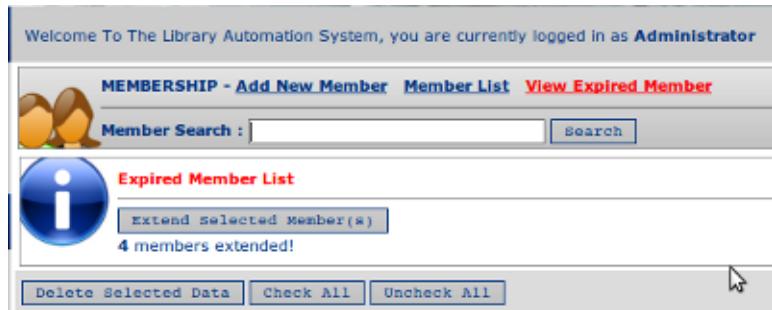


Figure 3.34: Bulk Membership Renewal

3.16 “Add New Member” Menu

This provides the facility to add new members to the data in the Senayan system. Members’ information included are: Member ID (ID -barcode/RFID for the member), Member Name (Full Name of the member), Register Date (date horizontal), Expiry Date (the expiration date), Institution (name of institution, agency or organization name), Membership type (type of membership), Gender (gender), E-mail, address (home or work address), Postal Code (zip code), Phone Number (phone number), Fax Number (fax number), Personal ID Number (Personal ID number such as identity card number), Notes (short note), and upload a photo (photo file of member). Expiry date contained in the Auto Set, The intent of this facility, is that if the Auto Sett is checked, the member’s expiry date will then be calculated based on Membership Type. However, if unchecked, then the Expiry date can be determined manually, by selecting the date of expiry.

This form also provides the feature Pending Membership. If Pending Membership is checked, then that member will not be able to borrow, although their membership is still active. It can be applied as a sanction against members who break the library rules .

Commencing with SLiMS-5, SLiMS has a new feature associated with membership. The new feature is the capacity to take photos of members and directly store them in the SLiMS application . This feature can be found when editing membership or data entry for new members. The appearance of the feature is as below:

Based on the picture above, SLiMS provides two choices: take the direct image (pictured above) that facilitate members who forget to bring a digital photo, or upload an existing file photo.

3.17 “Member Type” Menu

This defines the types of membership. The type of membership controls Loan Limit (limit number of borrowed copies), Loan Period (the length of a loan), Reserve (whether

3 Bibliography

MEMBERSHIP - Add New Member [Member List](#) [View Expired Member](#)

 Member Search :

Member ID* :

Member Name* :

Birth Date :

Register Date :

Expiry Date* : Auto Set

The calendar dialog shows the month of July 2009. The date 26 is highlighted in green, indicating it is selected.

Institution :

Membership Type :

Gender :

E-mail :

Address :

Postal Code :

Phone Number :

Figure 3.35: Add New Member Form



Figure 3.36: Membership Photos feature

<h2>Tipe Keanggotaan</h2>			
Pencarian :		Pencarian	
Hapus Data Terpilih		Tandai Semua	
HAPUS	SUNTING	Tipe Keanggotaan	Jumlah Pinjaman
<input type="checkbox"/>		Dosen	3
<input type="checkbox"/>		Mahasiswa	2

Figure 3.37: Member Type

reservations can be made), Reserve Limit (limit number of copies reserved), Membership Period (length of membership), Reborrow Limit (limits extensions), Fine each day (fine per day for overdues), and Overdue Grace Period (tolerance in days for late returns).

3.18 “Import Data” Menu

This menu is used to retrieve member data from outside applications to put into Senayan applications. The data format of the import is .csv .

3.19 “Export Data” Menu

This menu is used to retrieve the membership data within the Senayan application , and the result is data output as a .csv file

An example csv data record of a member is:

3 Bibliography

The screenshot shows a web-based configuration interface titled 'EXPORT DATA'. At the top left is a blue upward-pointing arrow icon. To its right, the text 'Export member(s) data to CSV file' is displayed. Below this is a large blue button labeled 'Export Now'. The main area contains several input fields and dropdown menus:

- Field Separator***: A dropdown menu set to a single quote character (').
- Field Enclosed With**: A dropdown menu set to double quotes ("").
- Record Separator**: A dropdown menu set to 'NEWLINE'.
- Number of Records To Export
(0 for all records)**: An input field containing the value '0'.
- Start From Record**: An input field containing the value '1'.

At the bottom is another blue 'Export Now' button.

Figure 3.38: Member Export

```
"M001","Hendro Wicaksono","0","Mahasiswa","hendrowicaksono@yahoo.com",
"Jakarta","999999","Perpustakaan DIKNAS","","member_M001.jpeg","KTP No.
123","999999","999999","2008-12-25","2008-12-25","2009-12-25",
"Anggota Teladan tahun 2006"
```

3.20 “Member Card” Menu

This menu is used to print the member card. Printing method is similar to barcode label printing. The information contained in this membership card is: ID, Name, Member Type, Barcode, Photo (if any) and the name of the Library .

3.21 Member Custom Field

Similar to the Biblio Custom field, using this feature Senayan users can add information (fields) that have to be filled in the membership information form. To add a new field, the steps are as follows:

Open the member_custom_fields.inc.php file located in the folder /admin/modules/membership

In this file there are 5 custom fields that can be used. Custom fields can be removed or reduced. For example, one new filed will be added to update the status of marriage, then custom 2-5 are uninstalled first.

3 Bibliography

IMPORT DATA

 Import for members data from CSV file

Import Now

File To Import* : **Browse...**

Field Separator* :

Field Enclosed With* :

**Number of Records To Import
(0 for all records)** : 0

Start From Record : 1

Import Now

Figure 3.39: Member Import

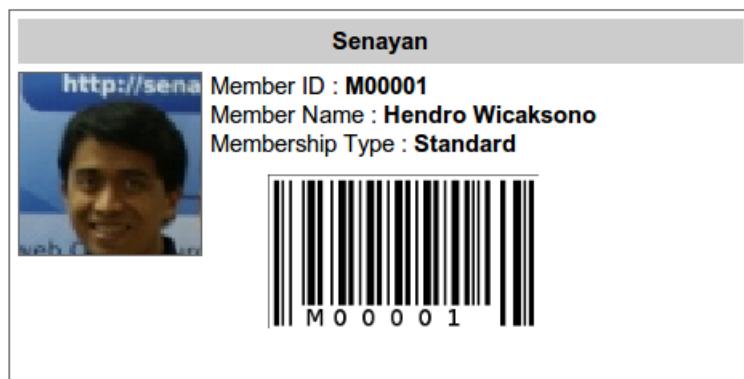


Figure 3.40: Member Card

3 Bibliography



A screenshot of a web-based form titled 'Member Custom Field'. The form contains six input fields: 'Status Pernikahan' (text), 'Pending Membership' (checkbox, checked), 'Photo' (file upload field with 'Browse...' button and 'Maximum 500 KB' limit), 'E-mail' (text), 'New Password' (text), and 'Confirm New Password' (text). A 'Save' button is located at the bottom left.

Figure 3.41: Member Custom Field

- The Custom Field 1 is completed as follows:

```
'dbfield' => 'status', // name of field in 'biblio' table in database, make sure  
'label' => __('Status Pernikahan'), // label of field in form  
'type' => 'text', // type of field  
'default' => "", // default value of field  
'max' => '50', // maximum character to enter in 'text' field type  
'data' => false, // an array of data for 'dropdown', 'checkbox' or 'choice'  
'indexed' => true, // NOT APPLICABLE YET, FOR FUTURE RELEASE USE  
'width' => 50), // width of field in form for 'text' field type, maximum is 100
```

- The next step is to add a field/column status in the member table .
- The result of this modification is as follows (can be seen in Add New Member):

4 Circulation

What in the world would we do without our libraries? -Katherine Hepburn

This module is used for circulation. Some of the menus in it are:

4.1 “Start Transaction” Menu

To make transactions via the Member ID (ID of member). Once Member ID is inserted, it will display the member's information , namely: Member Name (name of member), Member E-Mail (member's email address), Register Date (date the member registered), Member ID (member ID), Member Type (type of membership) Expiry date (membership end date) and member photo. Underneath there are tabs: Loans (to make borrowing transactions), Current Loans (list the current loans the member has), Reserve (for ordering literature needs), Fines (fines), Loan History (history of borrowing undertaken by the member). In Current Loans there are also facilities for returns (Return) and to extend lending (Extend).

The screenshot shows a software interface for library circulation. At the top, there is a red button labeled "Finish Transaction". Below it, member information is displayed in a grid:

Member Name	Hendro W	Member ID	123
Member Email	hendrowicaksono@yahoo.com	Member Type	Standard
Register Date	2012-03-23	Expiry Date	2013-03-23

On the right side of the member info grid is a small thumbnail image of a person.

Below this, there are five tabs: "Loans" (selected), "Current Loans" (highlighted in red), "Reserve", "Fines", and "Loan History".

Under the "Current Loans" tab, there is a checkbox labeled "Send overdues notice e-mail".

The "Current Loans" section displays a table of loans:

Return	Extend	Item Code	Title	Col. Type	Loan Date	Due Date
		B00008	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary	Reference	2012-03-24	2012-01-31
OVERDUE for 53 days(s) with fines value 477000						

Figure 4.1: Circulation process

Note:

After completing the process of borrowing (Loans) and reservations (Reserve) do not forget to click Finish Transaction. Without pressing the Finish Transaction, all of the transactions will not be recorded into the system.

Starting with Senayan3-stable13 a feature is available to print a transaction note . To enable this feature, one must first enable the module in System

4 Circulation

Setup. See the documentation of the System. The Print command will appear after clicking Finish Transaction.

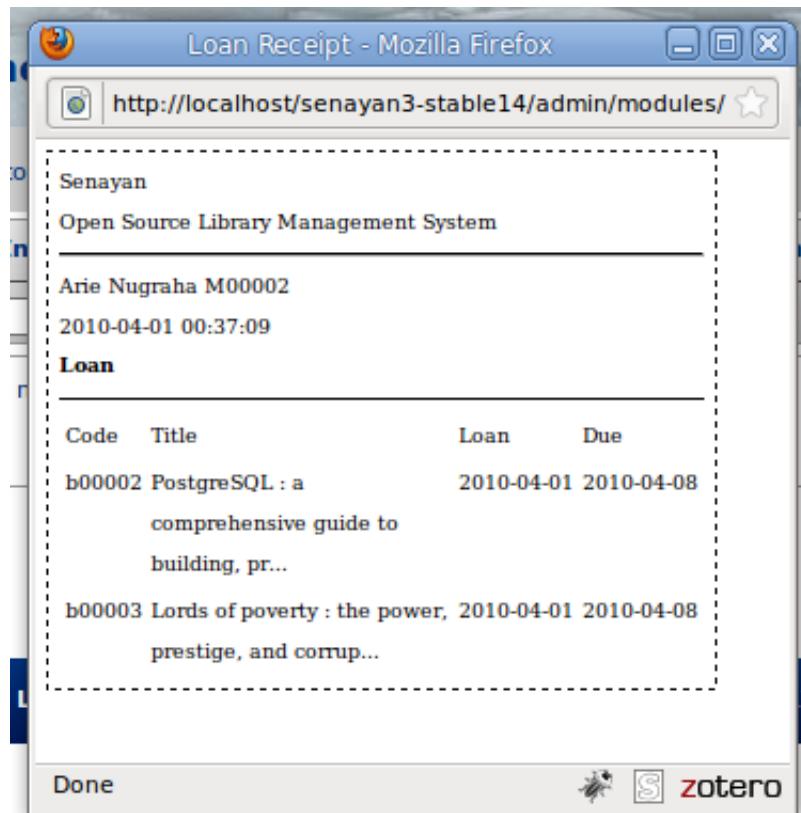


Figure 4.2: Printing Transaction Notes

Commencing with Senayan3-stable11, it is possible to determine the date of loan and return manually. That is, the date of loan and return can be determined without being based on the configuration in Loan Rules. For activation please see the Module System Configurations.

4 Circulation

The screenshot shows a 'Quick Return' interface. At the top, there's a search bar with 'Item ID : b00008' and a 'Return' button. Below the search bar, the item title is listed as 'Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary'. A red warning message states 'OVERDUE for 53 days(s) with fines value of 477000'. It also notes that item b00008 is being reserved by member (345). The loan information shows Member Name: Hendro W, Member ID: 123, Loan Date: 2012-03-24, and Due Date: 2012-01-31.

Title		Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary OVERDUE for 53 days(s) with fines value of 477000 Item b00008 is being reserved by member (345)		
Member Name		Hendro W	Member ID	123
Loan Date		2012-03-24	Due Date	2012-01-31

Figure 4.4: Quick Return

This screenshot shows a form for determining loan and due dates. It includes fields for Member Name (Hendro W), Member Email (hendrowicaksono@yahoo.com), Member ID (123), Member Type (Standard), Register Date (2012-03-23), and Expiry Date (2013-03-23). Below these are tabs for Loans, Current Loans, Reserve, Fines, and Loan History. An 'Insert Item Code/Barcode:' input field and a 'Loan' button are also present. A table at the bottom lists a loan entry for item B00005, showing a due date of 2012-03-31.

Remove	Item Code	Title	Loan Date	Due Date
	B00005	Corruption and development: the anti-corruption campaigns	2012-03-24	2012-03-31

Figure 4.3: Determining Loan and Due date manually

Loan and Due Date: determination of this can be done by clicking on the date that we want to change.

4.2 “Quick Return” Menu

To make a return, using the Item ID code.

4.3 “Loan Rules” Menu

This is a facility to define lending rules based on the Member Type, Collection Type and GMD. The rules set out in this facility are: Limit number of

4 Circulation

QUICK RETURN - Insert an item ID to return collection with keyboard or barcode reader

Item ID :	B00004	Return
-----------	--------	------------------------

Title : Pigs at the trough : how corporate greed and political corruption are undermining America
OVERDUE for 60 days(s) with fines value of60000
 Total items until current item.
B00010 - Linux In a Nutshell
b00004 - Pigs at the trough : how corporate greed and political corruption are undermining America
 Remain item(s) should be returned:
B00004 - Pigs at the trough : how corporate greed and political corruption are undermining America
 Total fines until current item 120000
 Total fines of all items 120000

Figure 4.5: QuickReturn

Loan Rules

Search :		Search
Save		
Member Type	:	Standard
Collection Type	:	Reference
GMD	:	ALL
Loan Limit	:	
Loan Period	:	
Reborrow Limit	:	0
Fines Each Day	:	0
Overdue Grace Period	:	0
Save		

Figure 4.6: Loan Rules

loan items (Loan Limit), the period of the loan (Loan Period), Limit loan extensions (Reborrow Limit), the penalty per day overdue (Fine Each Day), and overdue tolerance (Overdue Grace Period)

An example of defining Loan Rules:

1. In the library you have 3 types of collections: books, audiovisual (AV) and theses.
2. One type of membership your library has is : Student loans, with a total allowance of 2 items, namely: one item from the book collection and one more from the AV collection.
3. For that you would need to create the membership type: "Students" , with total borrowing from two collections.
4. So, in Loan Rules this must be defined:

4 Circulation

Member ID/Member Name						
5 record(s) found. Currently displaying page 1 (20 record each page)				Print Current Page		
Member ID	Member Name	Item Code	Title	Loan Date	Due Date	Loan Status
123	Hendro W	b00008	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary	2012-03-24	2012-01-31	On Loan
123	Hendro W	B00010	Linux In a Nutshell	2012-03-23	2012-03-23	Returned
123	Hendro W	b00008	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary	2012-03-23	2012-03-30	Returned
123	Hendro W	B00010	Linux In a Nutshell	2012-03-23	2012-03-23	Returned
123	Hendro W	b00008	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary	2012-01-23	2012-02-23	Returned

Figure 4.7: Loan History

- Member type "Student", borrowing allowance for collection="Book" is 1.
- Member type "Student", borrowing allowance for collection="AV" is 1.
- Member type "Student", borrowing allowance for collection="Thesis" is 0.

Everything must be defined, otherwise it can be exceeded.

4.4 “Loan History” Menu

Contains data of every transaction ever undertaken. Resulting data comprises: Member ID, Member Name, Item Code, Title, Loan date, Due date. In this menu the facility is also provided to print a list of borrowing history. In addition it is also possible to perform a search of history data. History data search can be done by Member ID/Member Name, Document Title, Item Code, Date From and Loan Loan Until Date. This facility can be displayed by clicking the Show More Filter Options.

4.5 “Overdued List” Menu

A facility to find members with overdue status. Information displayed in this facility is Member ID, Member Name, Title, Days overdue, Loan Date, Due Date. With this menu we can also do printing and search overdues. Overdues seraches are done by Member ID/Member Name, Loan Date From, Loan Date Until.

4 Circulation

The screenshot shows a web-based reporting interface for overdue loans. At the top, there's a green header bar labeled "Report Filter". Below it is a search input field for "Member ID/Member Name" with a placeholder "Member ID/Member Name". Underneath are two buttons: "Apply Filter" and "Show More Filter Options". A message below the input field says "1 record(s) found. Currently displaying page 1 (20 record each page)" followed by "Print Current Page". The main content area has a header "Member ID" and a sub-header "Hendro W (123)". It includes an email link "E-mail: hendrowicasno@yahoo.com - Send Notification e-mail - Phone Number:". Below this is a table row with item details: "b00008", "Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary", "Overdue: 53 day(s)", and "Loan Date: 2012-03-24 Due Date: 2012-01-31".

Figure 4.8: Overdue Loans

The screenshot shows a web-based reporting interface for reservations. At the top, there's a header "Reservation List - Report Filter". Below it is a form with fields for "Member ID/Name", "Title/ISBN", and "Item Code". There are also dropdown menus for "Reserve Date From" (set to 01 January 2000) and "Reserve Date Until" (set to 27 December 2008). Below the form are two buttons: "Apply Filter" and "Hide Filter Options". A blue bar at the top says "Print Current Page". The main content area shows a message "3 record(s) found. Currently displaying page 1". Below this is a table with four columns: "Item Code", "Title", "Member", and "Reserve Date". The data in the table is as follows:

Item Code	Title	Member	Reserve Date
B00003	The Definitive Guide to MySQL 5	Arie Nugraha	2008-12-27 09:33:13
B00002	Linux In a Nutshell	Arie Nugraha	2008-12-27 09:33:07
B00001	PHP 5 for dummies	Arie Nugraha	2008-12-27 09:32:07

Figure 4.9: List of reservations by members

4.6 “Reservation” Menu

This menu is used to view a list of reservations by the members. Item information contained in this menu is : Item Code, Title, Member, Reserve Date

5 StockTake

I have always imagined that Paradise will be a kind of library. –Jorge Luis Borges

The StockTake Module is a facility in SLiMS to help librarians conduct stock-taking. When the stock-taking process begins, all items except those being borrowed (status = on loan) will be marked as lost, and appear in the menu Current Lost Item until the item concerned is checked in the stock-take. Menus contained in this module are:

5.1 “Stock Take History” Menu

Contains reports of when stock-taking has been done. Information in this menu are: StockTake Name, Start Date, End Date, The report contains links to a document in .html form for each stock-take report ever done.

5.2 “Initialize” Menu

The Initialize menu is used to start stock-taking. In this menu, there are the following sub-menus:

- StockTake Name: the name of the stock-taking activities undertaken. Customize the name to your liking. This field MUST be filled.
- GMD: (See the module guide Master File -> GMD (below Authority Files)).
- Collection Type: (See the module guide Master File -> Collection Type (under Lookup Files)).

EDIT	Stock Take Name	Start Date	End Date	Report
	senayan	2009-07-25 17:20:17	2009-07-25 17:22:13	senayan_report.html
	3	2009-03-03 09:56:36	2009-04-28 10:25:19	3_report.html
	maret	2009-02-12 14:57:32	2009-02-16 09:45:52	maret_report.html
	Februari	2009-02-11 11:50:58	2009-02-12 14:57:20	februari_report.html

Figure 5.1: StockTake History

5 StockTake

Stock Take	Welcome To The Library Automation System, you are currently logged in as Administrator																								
Stock Take History	Initialize Stock Take																								
Initialize	<table border="1"> <tr> <td>Stock Take Name*</td> <td>:</td> <td>Tahun 2012</td> </tr> <tr> <td>GMD</td> <td>:</td> <td>ALL</td> </tr> <tr> <td>Collection Type</td> <td>:</td> <td>ALL</td> </tr> <tr> <td>Location</td> <td>:</td> <td>ALL</td> </tr> <tr> <td>Shelf Location</td> <td>:</td> <td></td> </tr> <tr> <td>Classification</td> <td>:</td> <td></td> </tr> <tr> <td colspan="3">Separate each class comma sign. Use * for wildcard</td> </tr> <tr> <td colspan="3">Initialize Stock Take</td> </tr> </table>	Stock Take Name*	:	Tahun 2012	GMD	:	ALL	Collection Type	:	ALL	Location	:	ALL	Shelf Location	:		Classification	:		Separate each class comma sign. Use * for wildcard			Initialize Stock Take		
Stock Take Name*	:	Tahun 2012																							
GMD	:	ALL																							
Collection Type	:	ALL																							
Location	:	ALL																							
Shelf Location	:																								
Classification	:																								
Separate each class comma sign. Use * for wildcard																									
Initialize Stock Take																									

Figure 5.2: Initializing

Stock Take	Welcome To The Library Automation System, you are currently logged in as Administrator																								
Stock Take History	Initialize Stock Take																								
Initialize	<table border="1"> <tr> <td>Stock Take Name*</td> <td>:</td> <td>Tahun 2012</td> </tr> <tr> <td>GMD</td> <td>:</td> <td>ALL</td> </tr> <tr> <td>Collection Type</td> <td>:</td> <td>ALL</td> </tr> <tr> <td>Location</td> <td>:</td> <td>ALL</td> </tr> <tr> <td>Shelf Location</td> <td>:</td> <td></td> </tr> <tr> <td>Classification</td> <td>:</td> <td></td> </tr> <tr> <td colspan="3">Separate each class comma sign. Use * for wildcard</td> </tr> <tr> <td colspan="3">Initialize Stock Take</td> </tr> </table> <div style="position: absolute; top: 420px; left: 440px; width: 200px; height: 100px; background-color: white; padding: 10px; border: 1px solid black;"> <p style="text-align: center;">Stock Taking Initialized</p> <p style="text-align: center;">OK</p> </div>	Stock Take Name*	:	Tahun 2012	GMD	:	ALL	Collection Type	:	ALL	Location	:	ALL	Shelf Location	:		Classification	:		Separate each class comma sign. Use * for wildcard			Initialize Stock Take		
Stock Take Name*	:	Tahun 2012																							
GMD	:	ALL																							
Collection Type	:	ALL																							
Location	:	ALL																							
Shelf Location	:																								
Classification	:																								
Separate each class comma sign. Use * for wildcard																									
Initialize Stock Take																									

Figure 5.3: Initializing process

- Location: (See the module guide Master File -> Location (below Authority Files)).
- Shelf Location: referring to the information item in the Bibliography module.
- Classification: Referring to the classification field in the Bibliography module. For defining a classification range use the wildcard (*), For example, if we want to do stock-taking of classifications with a range of 100 through to 300, just enter 1 * to 3 *. If the range of classifications we stock-take is in the 100's, enter 1 *.

5 StockTake

The screenshot shows a web-based application titled "Stock Take Process". At the top, there is a search bar with "Item Code: B00010" and a "Change Status" button. Below it is a section for filtering stocktakes by "Current User Only" or "All User". A search bar with "Search" button follows. The main area displays a table with columns: Item Code, Title, Call Number, Collection Type, and Classification. One row is visible, showing Item Code B00010, Title "Linux In a Nutshell", and Classification "005.4/32 22".

Item Code	Title	Call Number	Collection Type	Classification
B00010	Linux In a Nutshell		Reference	005.4/32 22

Figure 5.4: Current StockTake

After the Initialization is done, the Current StockTake menu and StockTake Report will serve as menus for stock-take activities, coupled with the navigation menu to be used to conduct a stock-take along with the StockTake Finish menu, Current Lost Items, StockTake Log, and Resynchronise. (See picture)

5.3 “Current Stock Take” Menu

This menu is the main menu for doing a stock-take. It is used to restore the status of library collections that are considered lost by the system. In this menu, item id (barcode number) is the main item reference to change the status of the items that are considered lost to existing (there). Do this by entering the barcode number in the field Item Code. This menu will work when the Initialize process is completed.

Commencing with version stable11, there is a feature “List stocktakes by:” to choose Current User Only, (which means that the list of records that appear are stock-takes by the user in question). Or All Users, (the list is of stock-take records by all users who do stock-take).

5.4 “StockTake Report” Menu

Use this menu to see the results of the activities that have been performed in stock-take. The form of the report contains information about the number of items checked, items lost, and number of items on loan. This menu does not work if the Initialization is not done.

5.5 “Finish StockTake” Menu

Click on this link if you have finished stock-taking. In the menu, there is a field labelled Purge Lost Item. If we give a checkmark on Yes, the data items in the collection that are in Current Lost items will be marked as "Missing".

5 StockTake

Current Stock Take Report			
Download Report			
Stock Take Name	:		
Total Item Stock Taked	:		
Total Item Lost	:		
Total Item On Loan	:		
Total Checked/Scanned Items	: 0 (0%)		
Stock Take Participants	:		
Start Date	:		
End Date	:		
Classification	Lost Items	Existing Items	On Loan Items
0 classes	1	0	0
1 classes	0	0	0

Figure 5.5: StockTake Report

5.6 “Current Lost Items” Menu

The contents of this menu is a list of items that are considered missing at the time of stock-taking, in addition to items on loan.

5.7 “StockTake Log” Menu

The function of this menu is to find log records when doing the stock-take

5.8 “Resynchronize” Menu

This menu is used to synchronize newly edited bibliographic data during ongoing activities to take stock of existing bibliographic data using the stock-take module. The goal is that when we do editing of bibliographic data while doing the stock-take, in order to produce a change in the bibliographic data contained in the stock-take module , it is necessary to do resynchronization of data. Click the button, and that Resyncronizes bibliographic data .

5 StockTake

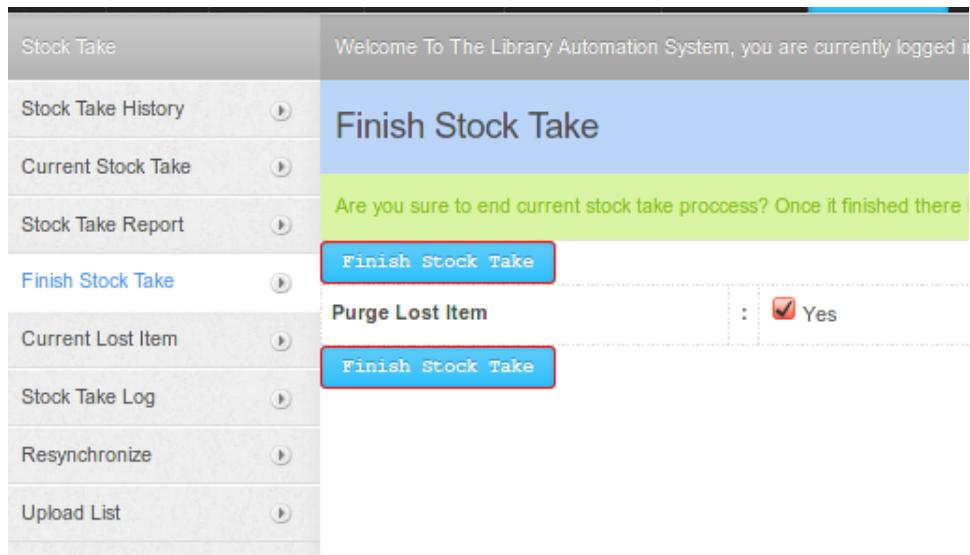


Figure 5.6: Finish StockTake

Current Stock Take Report Filter				
Title/ISBN	<input type="text"/>			
Item Code	<input type="text"/>			
Classification	<input type="text"/>			
Collection Type	All			
Location	All			
<input type="button" value="Apply Filter"/>				
<input type="button" value="Print Current Page"/>				
2 record(s) found. Currently displaying page 1				
Item Code	Title	Class	Type	Call Number
B00002	Linux in a Nutshell	005.4/32 22	Reference	005.4/32-22 Ell I
B00003	The Definitive Guide to MySQL 5	005.75/85 22	Reference	005.75/85-22 Kof d

Figure 5.7: Current Lost Items

Stock Take Log	
Time	Message
2012-03-24 12:06:54	Stock Take ERROR : Item Code B00989 doesn't exists in stock take data. Invalid Item Code OR Maybe out of Stock Take range
2012-03-24 12:06:49	Stock Take ERROR : Item Code B00090 doesn't exists in stock take data. Invalid Item Code OR Maybe out of Stock Take range

Figure 5.8: StockTake Log

5 StockTake

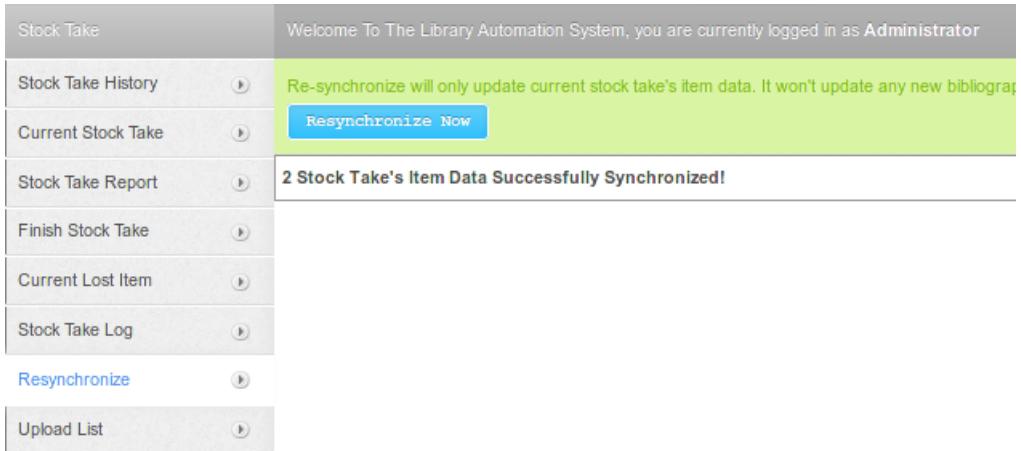
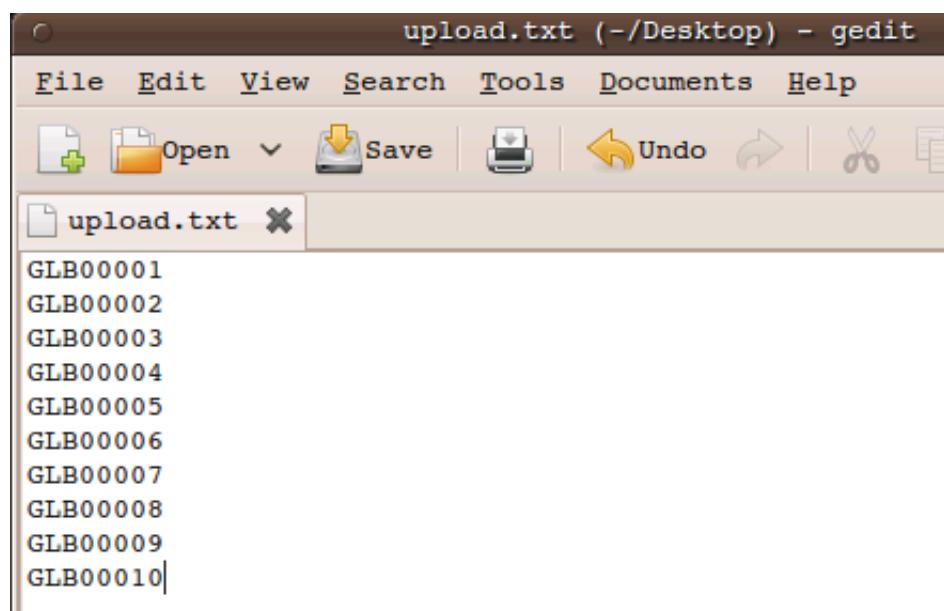


Figure 5.9: Resynchronise

5.9 “Upload List” Menu

This menu is used to perform automated stock-take using a data file listing the items. To be able to use the Upload List, first the data items should be exported from Senayan, then specific items are stored in a .txt file in rows.



upload.txt (-/Desktop) - gedit

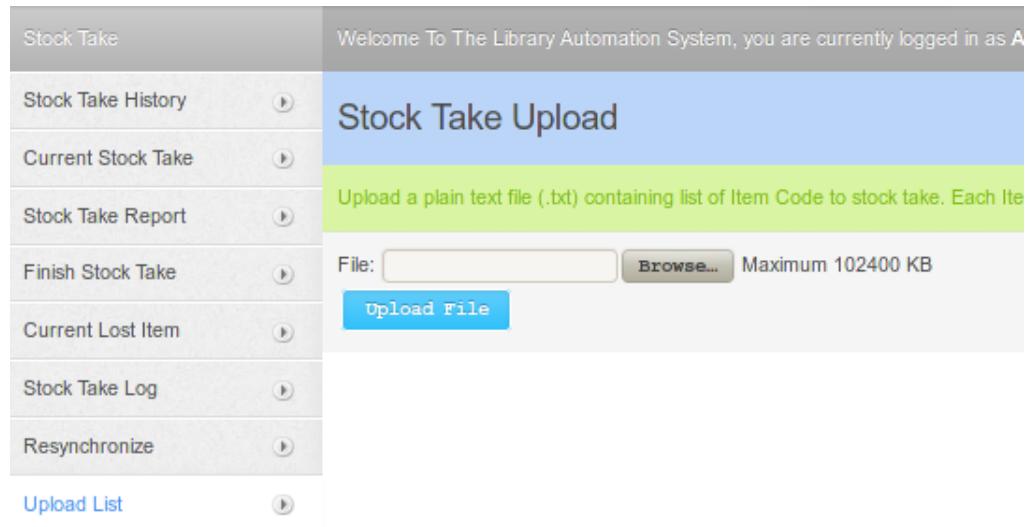
File Edit View Search Tools Documents Help

Open Save Undo

upload.txt

GLB00001
GLB00002
GLB00003
GLB00004
GLB00005
GLB00006
GLB00007
GLB00008
GLB00009
GLB00010

Figure 5.10: Sample .txt File for Upload List



Welcome To The Library Automation System, you are currently logged in as A

Stock Take History

Current Stock Take

Stock Take Report

Finish Stock Take

Current Lost Item

Stock Take Log

Resynchronize

Upload List

Stock Take Upload

Upload a plain text file (.txt) containing list of Item Code to stock take. Each It

File: Browse... Maximum 102400 KB

Upload File

Figure 5.11: Upload List

6 Reporting

Librarians are subversive. You think they're just sitting there at the desk, all quiet and everything. They're like plotting the revolution. -Michael Moore

The Reporting module contains a library activity report. Such information can be accessed by pressing the menu located on the left hand navigation menu:

6.1 “Collection Statistic” Menu

Contains the total collection information for titles, total items, total items being borrowed, the total items that were in the library (not borrowed), total titles based GMD, total collection of items by type, and 10 (ten) most popular collection of titles (most borrowed).

6.2 “Loan Report” Menu

Contains information about borrowing. Consists of: total lending, lending based on GMD, lending by the collection type, total lending transactions, the average transaction per day, a member who have loans, members who do not have loans, and total overdues loans.

6.3 “Membership Report” Menu

Contains membership information, ie the total registered members, the total active members, total members by members type , total members who are not active and a list of 10 (ten) most active members.

The report is available in .html format and can be printed by clicking Download Report

Commencing Senayan3-stable14, the three types of report are equipped with a print feature of various Pie charts. You get this graph simply by clicking the “Show in Chart/Plot “ which appears in all three types of report (Statistics Collection, Loan Report, and Membership Report).

6 Reporting

Collection Statistic	
Download Report	
Collection Statistic Summary	
Total Titles	: 13 (including titles that still don't have items yet)
Total Titles with items	: 8 (only titles that have items)
Total Items/Copies	: 10
Total Checkout Items	: 1
Total Items In Library	: 9
Total Titles By Medium/GMD	: Show in chart/plot Text : 13,
Total Items By Collection Type	: Show in chart/plot Reference : 10,
10 Most Popular Titles	: Linux In a Nutshell Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary

Figure 6.1: Display Collection Statistics

Loan Data Summary	
Download Report	
Total Loan	
Total Loan	: 4
Total Loan By GMD/Medium	: Show in chart/plot Text : 4,
Total Loan By Collection Type	: Show in chart/plot Reference : 4,
Total Loan Transactions	: 2
Transaction Average (Per Day)	: 1
Total Peak Transaction	: 3
Members Already Had Loans	: 1
Members Never Have Loans Yet	: 1
Total Overdue Loans	: 0

Figure 6.2: Loan Report Menu

6 Reporting

Download Report	
Membership Data Summary	
<hr/>	
Total Registered Members	: 2
Total Active Member	: 2
Total Members By Membership Type	: Show in chart/plot Standard : 2,
Total Expired Member	: 0
10 most active members	: Hendro W (123)

Figure 6.3: Member Report

6.4 “Custom Recapitulations” Menu

This menu displays the recapitulation of titles, based on Classification, GMD, Collection Type or Language. This option can be set by selecting the recapitulation filter available. Senayan also supports recap for classifications not based on decimal numbers. For example, REF for reference.

Commencing with the Senayan3-Stable10 Report module, there is a development to allow users to create a new report on a Senayan module.

In the folder /senayan3-stable10/admin/modules/reporting/custom/ there exists a file, customs_report_list.inc.php . In this file, report modifications and additions can be made.

Custom Recapitulation - “Print Current Page” provides the facility to print reports, and "Export to spreadsheet format" to place the report in a spreadsheet.

6.5 “Titles List” Menu

Contains reports/lists of titles held by the library. In this menu there is a facility to sort and print, as well as a collection of desired filters. In this menu, filtering can also be done by writing the Title/ISBN, or by other filters. You do this by clicking `ShowMoreFilterOptions`. Existing filters are: Title/ISBN, Author, Classification, GMD, Langage and Location, and can be specified by the number of page views.

6 Reporting

Collection Statistic Summary	
Total Titles	: 14 (including titles that still don't have items yet)
Total Titles with items	: 8 (only titles that have items)
Total Items/Copies	: 10
Total Checkout Items	: 1
Total Items In Library	: 9
Total Titles By Medium/GMD	: Show in chart/plot Text : 13, Sound Recording : 1,
Total Items By Collection Type	: Show in chart/plot Reference : 10,
10 Most Popular Titles	: Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary Linux In a Nutshell

Figure 6.4: Show in chart/plot

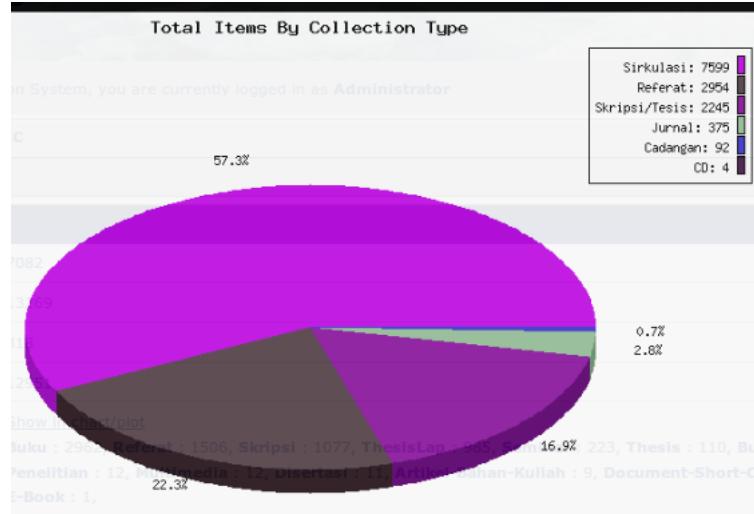


Figure 6.5: Pie display

6 Reporting

Custom Recapitations		
Report Filter		
Recap By:		
<input checked="" type="checkbox"/> Classification		
<input type="button" value="Apply Filter"/>		
Title and Collection Recap by Classification <input type="button" value="Print Current Page"/> <input type="button" value="Export to spreadsheet format"/>		
Classification	Title	Items
000	9	6
000	7	6

Figure 6.6: Recap by Classification

Report Filter					
Title/ISBN					
<input type="text"/>					
<input type="button" value="Apply Filter"/> <input type="button" value="Show More Filter Options"/>					
14 record(s) found. Currently displaying page 1 (20 record each page)				<input type="button" value="Print Current Page"/>	
Title	Copies	Tempat terbit	Penerbit	ISBN/ISSN	Call Number
Ajax : creating Web pages with asynchronous JavaScript and XML <i>Woychowsky, Edmond</i>	1	Upper Saddle River, NJ	Prentice Hall	9780132272674	006.7/86-2 a
Album musical laskar pelangi: original cast recording	0	io	Miles Production		
Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary <i>Raymond, Eric</i>	2	Sebastopol, CA	O'Reilly	0-596-00108-8	005.4/32222

Figure 6.7: Title Report

6 Reporting

The screenshot shows a user interface for filtering item titles. It includes fields for 'Title/ISBN', 'Item Code', 'Classification', and 'GMD' (with options like ALL, Text, Art Original, Chart, Computer Software). There's also a 'Collection Type' section with options like ALL, Reference, Textbook, and Fiction. Filter dropdowns for 'Item Status' (ALL), 'Location' (ALL), and 'Record each page' (set to 20) are present. At the bottom are 'Apply Filter' and 'Show More Filter Options' buttons.

Title/ISBN
Item Code
Classification
GMD
ALL
Text
Art Original
Chart
Computer Software
Press Ctrl and click to select multiple entries

Collection Type
ALL
Reference
Textbook
Fiction

Item Status
ALL

Location
ALL

Record each page
20 Set between 20 and 200

Apply Filter Show More Filter Options

Figure 6.8: Item Title List Report

This feature also provides the facility to create a spreadsheet file download. Files can be obtained by clicking "Export to spreadsheet format".

6.6 “Items title List” Menu

Contains reports/lists of copies of titles held by the library. In this menu there is a facility to sort and print, as well as a collection of desired filters. In this menu, filtering can also be done by writing the Title/ISBN, or by other filters. You do this by clicking `ShowMoreFilterOptions`. Available filters are: Title/ISBN, Item Code, Classification, Collection Type, Item Status, Location. This filter facilities can be hidden by clicking `HideFilterOption`.

6 Reporting

ITEMS USAGE STATISTICS - Report Filter										
Title/ISBN	<input type="text"/>									
Item Code	<input type="text"/>									
Year	2008 ▾									
<input type="button" value="Apply Filter"/>										
10 record(s) found. Currently displaying page 1 (20 record each page) [Print Current Page]										
Item Code	Title	Jan	Feb	Mar	Apr	May				
B00001	Ajax : creating Web pages with asynchronous JavaScript and XML	0	0	0	0	0				
B00007	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary	0	0	0	0	0				
B00008	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary	0	0	0	0	0				
B00006	Corruption and development	0	0	0	0	0				

Figure 6.9: Item Usage

6.7 Item Usage

This is a report that lists the item, and how many times the copy has been borrowed on a monthly basis. Item usage also can be filtered by Title/ISBN, Item code or Year.

6.8 “Loan by Classification” Menu

This is a classification-based lending report. In addition to classes 0-9, the report also makes possible class-based reporting and Non-Decimal Class 2X. Loans can be filtered by Class, Type and Year.

This feature also provides the facility to create a spreadsheet file download. Files can be obtained by clicking "Export to spreadsheet format".

6.9 “Member List” Menu

This contains a report/list of library members. In this menu there is a facility to sort and print. In addition, there are also filter amenities , ie based on Membership Type, Member ID/Member Name, Gender, Address, “Register Date From”, “Register Date Until” .

This feature also provides the facility to create a spreadsheet file download. Files can be obtained by clicking "Export to spreadsheet format".

6 Reporting

Classification:

0 Classes	<input type="button" value="▼"/>
-----------	----------------------------------

[Apply Filter](#) [Show More Filter Options](#)

Loan Recap By Class 0 for year 2011 [\[Print Current Page\]](#) [Export to spreadsheet format](#)

Classification	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
000	0	0	0	0	0	0	0	0	0
000	0	0	0	0	0	0	0	0	0
010	0	0	0	0	0	0	0	0	0
020	0	0	0	0	0	0	0	0	0
030	0	0	0	0	0	0	0	0	0
040	0	0	0	0	0	0	0	0	0

Figure 6.10: Loan by Class

Membership Type

ALL	<input type="button" value="▼"/>
-----	----------------------------------

[Apply Filter](#) [Show More Filter Options](#)

2 record(s) found. Currently displaying page 1 (20 record each page) [\[Print Current Page\]](#) [Export to spreadsheet format](#)

Member ID	Member Name	Membership Type
3456789Z	Arie N	Standard
123	Hendro W	Standard

Figure 6.11: Member List Report

6 Reporting

Member ID/Member Name	<input type="text"/>	<input type="button" value="Apply Filter"/> <input type="button" value="Show More Filter Options"/>
1 record(s) found. Currently displaying page 1 (20 record each page) <input type="button" value="Print Current Page"/>		
Member ID		
Hendro W (123)		
E-mail:	hendrowicaksono@yahoo.com	- Phone Number:
B00005	Corruption and development : the anti-corruption campaigns	Loan Date: 2012-03-24 Due Date: 2012-03-31

Figure 6.12: Loan list by Member

Member ID/Member Name	<input type="text"/>	<input type="button" value="Apply Filter"/> <input type="button" value="Show More Filter Options"/>				
6 record(s) found. Currently displaying page 1 (20 record each page) <input type="button" value="Print Current Page"/>						
Member ID Member Name Item Code Title						
123	Hendro W	b00008	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary	2012-03-24	2012-01-31	Returned
123	Hendro W	B00005	Corruption and development : the anti-corruption campaigns	2012-03-24	2012-03-31	On Loan
123	Hendro W	B00010	Linux in a Nutshell	2012-03-23	2012-03-23	Returned
123	Hendro W	b00008	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary	2012-03-23	2012-03-30	Returned
123	Hendro W	B00010	Linux in a Nutshell	2012-03-23	2012-03-23	Returned
123	Hendro W	b00008	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary	2012-01-23	2012-02-23	Returned

Figure 6.13: Loan History Report

6.10 “Loan List by Member” Menu

This is a report that contains a list of items that are still borrowed by Members.

6.11 “Loan History” Menu

This contains reports/lists of library borrowing history for Members. In this menu there is a facility to sort and print. In this menu, filtering can also be done by writing the Member ID/Member Name, or by other filters. You do this by clicking `ShowMoreFilterOptions`

This feature also provides the facility to create a spreadsheet file download. Files can be obtained by clicking "Export to spreadsheet format".

6 Reporting

The screenshot shows a reporting interface with a green header bar labeled "Report Filter". Below it is a search input field for "Member ID/Member Name" with a placeholder "Member ID/Member Name". Underneath are two buttons: "Apply Filter" and "Show More Filter Options". A message at the top states "1 record(s) found. Currently displaying page 1 (20 record each page)" and a "Print Current Page" button. The main content area has a header "Member ID" and displays a single record for "Hendro W (123)". Below the member ID, there is an email link "E-mail: - Send Notification e-mail - Phone Number:". The record details are as follows:

b00008	Cathedral and the Bazaar: Musings on Linux and Open Source by an Accidental Revolutionary Price: 0	Overdue: 53 day(s)
--------	-------------------------------------------------------------------------------------------------------	--------------------

Figure 6.14: Overdue Report

The screenshot shows a reporting interface with a green header bar. It includes filter options for "Activity Date From" (set to 2000-01-01) and "Activity Date Until" (set to 2012-03-24), along with "Apply Filter" and "Show More Filter Options" buttons. A message at the top says "1 record(s) found. Currently displaying page 1 (20 record each page)" and a "Print Current Page" button. The main content is a table with the following columns: Real Name, Login Username, Bibliography Data Entry, Item Data Entry, Member Data Entry, and Circulation Tasks. The data for the single record is:

Real Name	Login Username	Bibliography Data Entry	Item Data Entry	Member Data Entry	Circulation Tasks
Administrator	admin	4	0	2	12

Figure 6.15: Staff Activity

6.12 “Overdued List ” Menu

This contains reports/lists of overdue items borrowed by library members. In this menu there is a facility to sort and print.

6.13 “Staff Activity” Menu

This menu shows the activities of the library staff who have an account in the Senayan application. The information shown is the Username, Login Name, Bibliographic data entry, Items data entry , Member data entry, and Circulation. So this menu will make visible which staff did what, and how many times.

For accurate information, a filter is provided that lets us see the activity from a beginning to the end date (as defined).

6.14 “Visitor Statistic” Menu

This is a report that contains statistics of library visitors. This report contains Member Type, and the number of visits in each month in the year specified. Determination based on this year’s report can be done through the filter.

Year						
2012		Jan	Feb	Mar	Apr	May
Visitor Count Report for year 2012 Print Current Page						
Member Type		Jan	Feb	Mar	Apr	May
Standard		0	0	2	0	0
NON-Member Visitor		0	0	3	0	0
Total visit/month		0	0	5	0	0

Figure 6.16: Visitor Statistic

6.15 “Visitor Statistic (by Day)” Menu

This is a report based on the number of visitors per weekday.

Year						
2012		Monday	Tuesday	Wednesday	Thursday	Friday
Visitor Report for year 2012 Print Current Page						
Sunday		Monday	Tuesday	Wednesday	Thursday	Friday
4		5	6	7	1	2
11		12	13	14	15	16
18		19	20	21	22	23
25		26	27	28	29	30

Figure 6.17: Visitors by Day

6.16 “Visitor List” Menu

This report contains a list of names of library members or non-members who visit the library. This report contains information on the Member ID, Member Name, Member Type, Institution and Visit date.

4 record(s) found. Currently displaying page 1 (20 record each page) [Print Current Page]			
Member ID	Visitor Name	Membership Type	Institution
NON-MEMBER	Purwoko	NON-MEMBER	UGM
NON-MEMBER	purwoko	NON-MEMBER	ugm
M00001	Hendro Wicaksono	Standard	Perpustakaan Depdiknas
M00001	Hendro Wicaksono	Standard	Perpustakaan Depdiknas

Figure 6.18: Visitor List

For a description of the missing features, please see the section “Absence.”

6.17 “Fines Report” Menu

This is a report based on the numbers of members fined each day.

Year 2012	Month Mar	Apply Filter	Show More Filter Options			
Fines Count Report for year 2012, month 03 Print Current Page						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Figure 6.19: Fines Report

6.18 “Due Date Warning” Menu

This report contains the items of the borrower that will be due within 3 days.

The screenshot shows a web-based reporting interface titled "Due Date Warning". The top bar is light blue, and the main area has a light green header labeled "Report Filter". Below this, a descriptive text reads: "This report loan items which will due in 3 to 0 days". A text input field is labeled "Member ID/Member Name". Under "Record each page", there is a numeric input field set to "20" with a note "Set between 20 and 200". At the bottom are two buttons: "Apply Filter" (blue) and "Show More Filter Options" (grey). A red message "No Data" is displayed at the bottom left.

Figure 6.20: Due date Warning

7 Serial Control

"Open Source is about respecting others peoples creation, sharing knowledge , and trying not to use piracy program" (Arie Nugraha)

Serial Control has been implemented since Senayan3-Stable10. This feature is used to manage a collection of serials/magazines/publications subscribed to by the library. The Serial Control Module supports the library to manage more than one copy subscription (from more than one vendor) for each magazine title. Serial Control functions can be accessed via the Administration menu by clicking on Serial Control.

The Serial Control Module will run if bibliographic data is subscribed for magazine titles. The information that distinguishes between magazine bibliographic data and other document types is the frequency/time the serial is published. If there is no bibliographic data in a table that indicates the frequency, this functionality will not work.

The initial view of the module when activated will show a list of magazines that include titles owned by the library and the publication frequency. Improvement to a serial's bibliographic data is possible by clicking the series title. A bibliographic data window will appear to allow for editing.

To display a list of subscriptions, use the folder icon (with magnifier) to the right of the list.

To use KARDEX you should start by doing initialising first. Initializing the data for the arrival of subscribed magazine is intended to identify the initial number of items expected to be received, and the estimated arrival time of the item/issue. Click the icon in the top right corner (with a + sign) to start initialization of the KARDEX list.

- Subscription Start: fill in the date the subscription will start to be received at the library.
- Total Exemplar Expected: enter the total number you expect to receive in a period of a subscription. E.g to subscribe for a year on a monthly basis insert 12.
- Period Name: Name the subscription period to provide differentiation between periods. Also give a name to distinguish copy subscription one, a second subscription, and so on.
- Subscription Notes: Insert important or useful notes on the subscription.
- GMD: if necessary, replace it with the appropriate GMD of the item to be subscribed

7 Serial Control

The screenshot shows a web-based application titled "SERIAL CONTROL". At the top, there is a search bar with fields for "Search", "All Field", and a "Search" button. Below the search bar, the title "Serial Title" is displayed in a dark blue header. A link "Corruption and development (Quarterly)" is shown with edit and delete icons. A "CLOSE" button is also present. The main form contains fields for "Subscription Start*", "Total Exemplar Expected*", "Period Name*", "Subscription Notes", and "GMD". A "Save" button is located at the bottom left of the form. Below the form, another section titled "The organization of information (Monthly)" is visible.

Figure 7.1: Making KARDEX

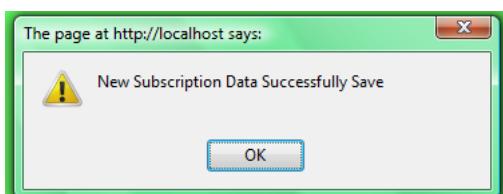


Figure 7.2: Kardex storage

- Click 'Save' to store data initialization.

If the KARDEX data storage process is successful, the following window will be displayed. Click 'OK' to return subscription list for the title question.

Commence entering KARDEX

When serials/magazines subscribed to arrive at the library, open the kardex list by clicking the "View / Edit KARDEX Detail".

SKiMS KARDEX provides 4 columns of information: 1. The Expected arrival date is automatically filled in during KARDEX initialization. If required, this date can be fixed by clicking on the calendar icon 2. Fill in the "Date Received" with the date the library received the magazine. 3. The sequence number of the magazine received. 4. Notes - If necessary, this can be used to identify who receives the edition, when, and the condition

7 Serial Control

The screenshot shows a software application window titled "Serial Title". At the top, it displays the title "Corruption and development (Quarterly)". Below this, there are buttons for "Delete Selected Data", "Check All", and "Uncheck All". A toolbar with icons for "DELETE", "EDIT", and "Period Name" is visible. The main area is a table with columns: "Period Name", "Subscription Start", and "Subscription Notes". Two entries are listed:

Period Name	Subscription Start	Subscription Notes
TA 2009 View/Edit Kardex Detail	2009-07-01	
TA 2009/C2 View/Edit Kardex Detail	2009-07-01	

At the bottom, there are buttons for "Delete Selected Data", "Check All", and "Uncheck All". The status bar at the bottom left says "The organization of information (Monthly)".

Figure 7.3: KARDEX stored

of the documents received etc. Click the 'Save' and 'CLOSE' to update the date received and continue with another new edition of magazine titles.

Note: Do not forget to click the 'Save' when changing data in KARDEX. If not, changes that have been made will be ignored.

7 Serial Control

Serial Title

[Corruption and development](#) (Quarterly)

[CLOSE](#)

Kardex Detail for subscription TA 2009

[Save](#)

Date Expected	Date Received	Seq. Number	Catatan
<input data-bbox="250 916 298 961" type="button" value="+"/>	<input data-bbox="330 916 489 961" type="text"/>	<input data-bbox="838 916 997 961" type="text"/>	<input data-bbox="1187 916 1346 961" type="text"/>
<input data-bbox="250 961 298 1006" type="button" value="—"/>	<input data-bbox="330 961 489 1006" type="text"/> 2009-07-01	<input data-bbox="838 961 997 1006" type="text"/> 0	<input data-bbox="1187 961 1346 1006" type="text"/>
<input data-bbox="250 1006 298 1051" type="button" value="—"/>	<input data-bbox="330 1006 489 1051" type="text"/> 2009-10-01	<input data-bbox="838 1006 997 1051" type="text"/> 1	<input data-bbox="1187 1006 1346 1051" type="text"/>
<input data-bbox="250 1051 298 1096" type="button" value="—"/>	<input data-bbox="330 1051 489 1096" type="text"/> 2010-01-01	<input data-bbox="838 1051 997 1096" type="text"/> 2	<input data-bbox="1187 1051 1346 1096" type="text"/>
<input data-bbox="250 1096 298 1140" type="button" value="—"/>	<input data-bbox="330 1096 489 1140" type="text"/> 2010-04-01	<input data-bbox="838 1096 997 1140" type="text"/> 3	<input data-bbox="1187 1096 1346 1140" type="text"/>
<input data-bbox="250 1140 298 1185" type="button" value="—"/>	<input data-bbox="330 1140 489 1185" type="text"/> 2010-07-01	<input data-bbox="838 1140 997 1185" type="text"/> 4	<input data-bbox="1187 1140 1346 1185" type="text"/>
<input data-bbox="250 1185 298 1230" type="button" value="—"/>	<input data-bbox="330 1185 489 1230" type="text"/> 2010-10-01	<input data-bbox="838 1185 997 1230" type="text"/> 5	<input data-bbox="1187 1185 1346 1230" type="text"/>

[The organization of information](#) (Monthly)

Figure 7.4: Kardex form

8 System

The library is an arena of possibility, opening both a window into the soul and a door onto the world. -Rita Dove

The Systems Module consists of:

8.1 “System Configuration” Menu

Using this form you can make changes to the global preferences in Senayan applications, such as: Library Name, Public Template (of the OPAC display), Default Application Language, Admin Template (Admin view), Number of Collections to Show in OPAC Result List (number of titles that will be displayed on every page in the OPAC), Show Promoted Titles at Homepage (showing title in the home page), Disable/Enable Quick return (to allow the return of items with a quick method), Enable/Disable Loan Limit Override (ability for staff to override limits), Disable/Enable XML details in the OPAC, Disable/Enable XML results in the OPAC, Allow (allow) or Forbid (forbid) visitors/users to download the file attachment in the OPAC, Session Login Timeout, and Barcode Encoding. In this menu too, we can see which version of Senayan we are using.

Show Promoted Titles at Homepage Module Feature on this system: if the check box is checked, the front of the OPAC display will be blank, unless there is a set of bibliographic data to display on the front page. See the Add New Bibliography menu in the bibliography module.

Commencing Senayan3-stable11, there is a feature to specify the date of loan and for return, manually. This feature can be enabled through the System Configuration Module, using the setting for Loan and Due Date Manual Change (Enable/Disable). (This feature is accessed in the Circulation Module)

8.2 “Content” Menu

This menu is used to change the appearance of the Senayan application content . By default, views that already exist and can be modified in this menu are: Homepage info, located at the front of the OPAC [displayed when “Home” is clicked]; Welcome to Admin page, [the initial display when entering the Admin menu (Senayan Management Console)]; Help On Usage, [accessed from the OPAC]; and Library Information, [also accessed from the OPAC].

8 System

Save Settings

Senayan Version	:	SLiMS 5 (Meranti)
Library Name	:	SLiMS Library Indonesia
Library Subname	:	Open Source Library Management System
Public Template	:	default
Admin Template	:	default
Default App. Language	:	English
Number Of Collections To Show In OPAC Result List	:	10
Show Promoted Titles at Homepage	:	<input type="checkbox"/> Yes
Quick Return	:	Enable
Print Circulation Receipt	:	Don't Print
Loan and Due Date Manual Change	:	Enable
Loan Limit Override	:	Disable
OPAC XML Detail	:	Enable
OPAC XML Result	:	Enable

Figure 8.1: Senayan Global Configuration

Content

Content			
Search : <input type="text"/> Search			
<input type="button" value="Delete Selected Data"/> <input type="button" value="Check All"/> <input type="button" value="Uncheck All"/>			
DELETE	EDIT	Content Title	Path (Must be unique)
<input type="checkbox"/>		SDC	sdc
<input type="checkbox"/>		Lisensi SLiMS	lisensi_slims
<input type="checkbox"/>		Tentang SLiMS	about_slims
<input type="checkbox"/>		Model Pengembangan Open Source	opensource
<input type="checkbox"/>		Modul yang Tersedia	modul_tersedia
<input type="checkbox"/>		Welcome To Admin Page	adminhome
<input type="checkbox"/>		Library Information	libinfo

Figure 8.2: Default Content Menu configuration

The screenshot shows a form for adding content. At the top are three buttons: 'Update' (blue), 'Cancel' (light blue), and 'Delete Record' (red). Below these are three input fields:

- Content Title***: A text input field containing 'SDC'.
- Path (Must be unique)***: A text input field containing 'sdc'.
- Content Description**: A rich text editor area with a toolbar above it. The toolbar includes icons for bold, italic, underline, align, font size, styles, and other common text operations. Below the toolbar is a preview area containing the following text:

Personil SDC (Senayan Developers Community)
Hendro Wicaksono
Arie Nugraha
Wardiyono
Sufian Zayd
Arif Syamsudin
M. Rasyid Ridho
Eddy Subratha
Indra Sutriadi Pipii
Purwoko

Figure 8.3: Adding Content

Please see the URL for displaying the content, above.

Consider a path created for the new content that is 'librarian'. To display this content with librarians path, then we need to write the url:

http://localhost/slisms5_meranti/index.php?p=librarian

We can create the navigation to this URL in the OPAC by editing the template.

8.3 “Biblio Indexes” Menu

This menu is used to index the bibliographic databases used by SLiMS. Given this indexing, the search performance of SLiMS will be improved .

There are three functions in this menu:

- Emptying the index: to clear the existing index results
- Re-CREATE INDEX: to re-index the database of bibliographic data
- Update the index: to index new bibliographic data that has not yet been indexed.

8 System

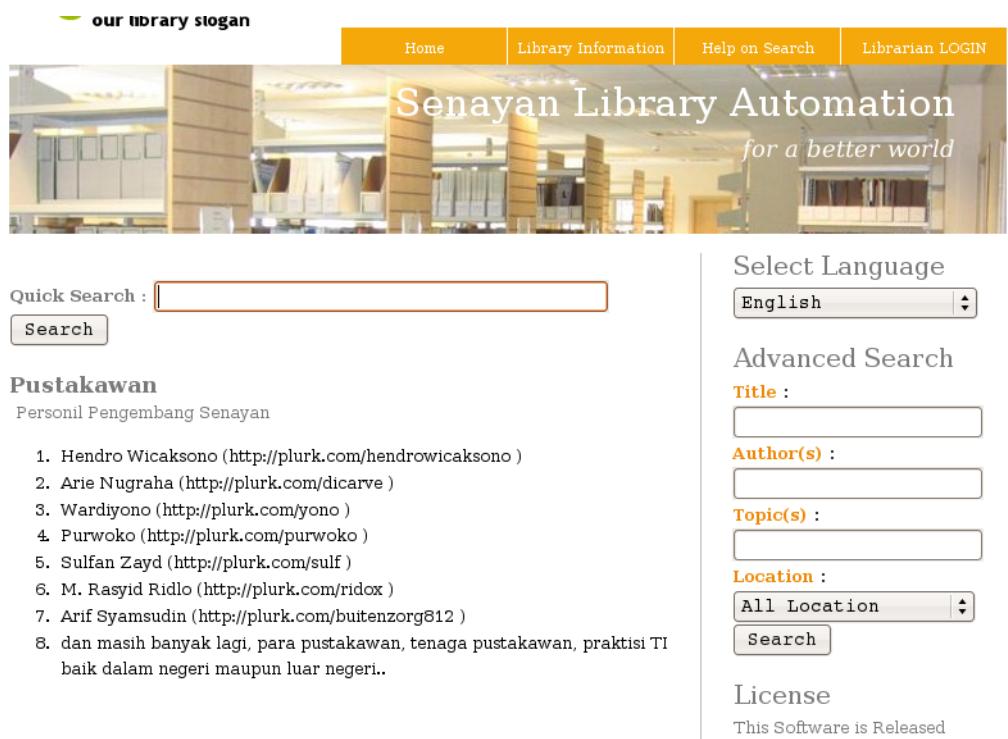


Figure 8.4: The appearance of the new content

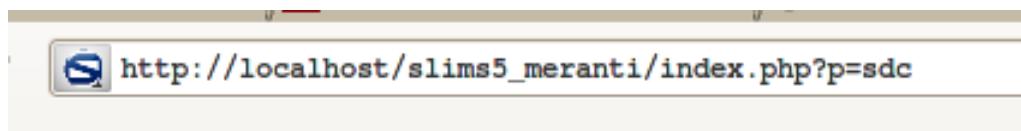


Figure 8.5: The URL to display the content

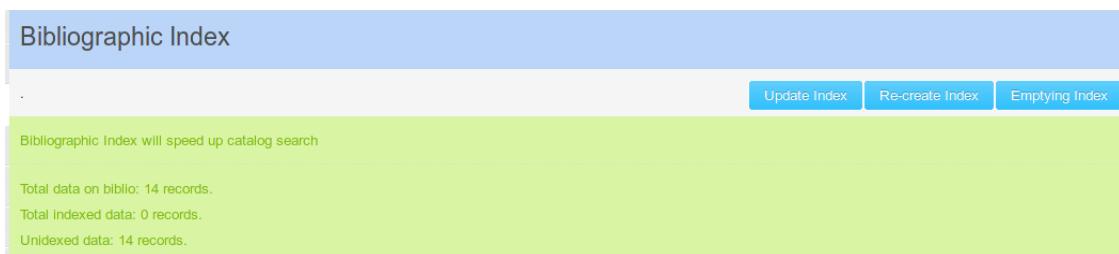


Figure 8.6: Bibliographic Index System Module

MODULES - Add New Modules Modules List			
<input type="button" value="Search :"/> <input type="button" value="Search"/> <input type="button" value="Delete Selected Data"/> <input type="button" value="Check All"/> <input type="button" value="Uncheck All"/>			
DELETE	EDIT	Module Name	Module Description
<input type="checkbox"/>	<input type="checkbox"/>	bibliography	Manage your bibliographic/catalog and items/copies database
<input type="checkbox"/>	<input type="checkbox"/>	circulation	Module for doing library items circulation such as loan and return
<input type="checkbox"/>	<input type="checkbox"/>	master_file	Manage your referential data that will be used by other modules
<input type="checkbox"/>	<input type="checkbox"/>	membership	Manage your library membership and membership type
<input type="checkbox"/>	<input type="checkbox"/>	reporting	Real time and dynamic report about library collections and circulation
<input type="checkbox"/>	<input type="checkbox"/>	stock_take	Ease your pain in doing library stock opname process
<input type="checkbox"/>	<input type="checkbox"/>	system	Configure system behaviour, user and backups

Figure 8.7: Module List

MODULES - Add New Modules Modules List	
<input type="button" value="Search :"/> <input type="button" value="Search"/>	
<input type="button" value="Save Changes"/>	
Module Name*	:
Module Path*	:
Module Description	:
<input type="button" value="Save Changes"/>	

Figure 8.8: Add New Module

8.4 “Modules” Menu

Provides the functions of Module List (listing existing modules), Search (search for a module), Edit and Delete Modules, and Add New Module (add a module).

To add a module, the module folder must already be placed in the folder admin/-modules/. Then click the Add New Modules, fill in the information of the new module, namely: Module Name (the name of the module), Module Path (path/location of the module), Module Description (brief description of the module), and then click “Save”.

Login Username*	:	<input type="text"/>
Real Name*	:	<input type="text"/>
Group(s)	:	<input type="checkbox"/> Pustakawan <input type="checkbox"/> Sirkulasi
New Password*	:	<input type="password"/>
Confirm New Password*	:	<input type="password"/>

Figure 8.9: Add User

USER GROUP - Add New Group Group List			
<input style="width: 150px; margin-right: 10px;" type="text"/> Search			
Delete Selected Data	Edit	Group Name	Last Update
<input type="checkbox"/>		admin	2009-01-25
<input type="checkbox"/>		Administrasi	2009-01-25
<input type="checkbox"/>		pustakawan	2009-01-25

Figure 8.10: Example of Senayan groups

8.5 “System Users” Menu

A facility to determine which users can access the system, according to their permissions. These users will be able to perform a login according to their username and password respectively. This menu contains the options: Add New User (adding users), Users List (list of users), Search (search for a user), Edit and Delete user. To add a new user, click Add New User, and then fill in the Login Username, Real Name, Groups (that they will belong to), and Password.

8.6 “User Groups” Menu

A facility to define Groups of Users. In this you can create groupings of your system users and grant read (Read) or Write (Write) permissions for the Senayan modules. Each user can be placed in more than one group.

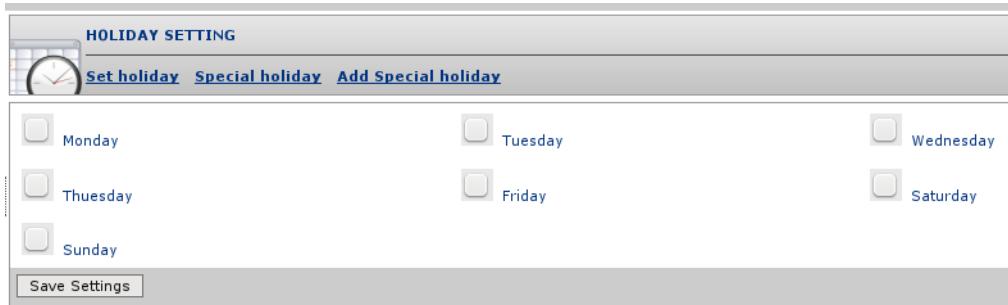


Figure 8.11: Set Holiday

The screenshot shows a form titled 'Add Special Holiday'. It has three fields: 'Holiday Date Start' with a value of '2012-03-01', 'Holiday Date End' with a value of '2012-03-08', and 'Holiday Description*' with a value of 'Liburan Semester'. Each field has a small calendar icon to its right. A 'Save' button is located at the top left and bottom left of the form.

Figure 8.12: Add Special Holiday

8.7 “Holiday Setting” Menu

A facility to determine days off, where the library is not open for service. Defining these holidays will effect calculation of weekdays the library is active/open, and fine calculation. There are two types of holidays that can be defined in this menu, regular days off (Monday till Sunday) and special holidays (defined by date, month and year).

To Set Holidays, librarians just choose the day(s) that is a routine holiday . For the Add Special Holiday, librarians can determine the date, month, year and description of the holiday. In addition, Special Holidays can also be configured with a range of time-off (from the start date until the date of completion of holidays).

8.8 “Barcode Generator” Menu

A facility to create barcodes.

Figure 8.13: Form for creating barcode(s)

Enter the code that will be made into a barcode in the columns on the screen. Determine the size of the barcode (Small, Medium, or Big), and click the Generate Barcode. Then it will be seen in the form of a barcode , inHtml and can be printed in a printer. The default encoding used is barcode 128B. You can modify this barcode encoding in the Senayan global configuration file , sysconfig.inc.php.

Find the line that reads:

```
$sysconf['barcode_encoding'] = '128B';
```

Change the value of type 128B to the encoding you want. Make sure the images directory is writable by the web server.

Note:

The characters that can be processed in the Barcode Generator are just the alphanumeric character set.

8.9 “System Log” Menu

This is a menu to view the recorded processes conducted by the Senayan system. Records that are produced list Time, Location (module name), and Message (description). Messages that appear in the System Logs include Who (User/Administrator), conducted what ,and where.

Barcode Generator

Figure 8.14: Resulting barcodes from Barcode Generator

System Log

System Log		
<input type="text" value="Search :"/> <input type="button" value="Search"/>		
Time	Location	Message
2012-03-24 12:20:27	system	Administrator add new group (Sirkulasi)
2012-03-24 12:20:15	system	Administrator add new group (Pustakawan)
2012-03-24 12:14:22	system	Administrator add new content (SDC) with contentname ()
2012-03-24 12:09:04	stock_take	Stock Take Re-Synchronization
2012-03-24 12:06:54	stock_take	Stock Take ERROR : Item Code B00989 doesnt exists in stock take data. Invalid Item
2012-03-24 12:06:49	stock_take	Stock Take ERROR : Item Code B00090 doesnt exists in stock take data. Invalid Item
2012-03-24 12:05:35	stock_take	Administrator initialize stock take (Tahun 2012) from address 127.0.0.1
2012-03-24 12:04:18	stock_take	Administrator finish stock take (2012) from address 127.0.0.1
2012-03-24 11:49:20	stock_take	Administrator initialize stock take (2012) from address 127.0.0.1
2012-03-24 11:47:34	circulation	Administrator return item (b00008) with title (Cathedral and the Bazaar: Musings on Lin OVERDUE for 53 days(s) with fines value of477000 Item b00008 is being reserved by member (345)) with Quick Return method

Figure 8.15: System Logs

When the Senayan application has been used, it will automatically log the Senayan work and the log size and load will also increase. Therefore, the system log menus, also contains the facility to SAVE LOGS TO FILES. This process will save the existing log, and then we clean the screen with a click on CLEAR LOGS.

8.10 “Database Backup” Menu

A facility to backup the Senayan database . To be able to back up, the mysqldump file path must be defined. The trick is to edit the file sysconfig.inc.php. Find the line that reads:

```
$sysconf['mysqldump'] = '/usr/bin/mysqldump';
```

and replace /usr/bin/mysqldump with the location of the mysqldump binary on the server computer. After the mysqldump path has been set accurately, click Start New Backup and Senayan will back up automatically. The format of backup files created by Senayan is .sql in layout and named according to the creation date- for example: backup_20080501_123106.sql. This Backup file name means: made on the 1st of the month 5-year 2008, at 12:31:06.

Note: to do this backup, the mysql database user must have the right to LOCK TABLES

9 Master File Topic

When I got my library card, that's when my life began. -Rita Mae Brown

In this module we can enter the master file data that can be used as a master in bibliographic data entry. The data that can be defined in this Master File module is:

- GMD General Material Designation The physical form of the media item
- Publisher* Publisher name
- Supplier Supplier is a supplier of items being placed in the collection e.g a particular bookstore
- Statement of Responsibility persons or bodies responsible for the creation of the item
- Author* author's name and the type of author (individual or group)
- Subject* the topic/subject, classification code, subject type, and authority files source.

SUBJECT -

Search :

You are going to edit Subject data : Paleontology
Last Update2012-03-23

Subject*	:	Paleontology
Classification Code	:	560
Subject Type	:	Topic
Authority Files	:	DDC ed.21

Figure 9.1: Master File-Subject

9 Master File Topic

- Location location code and the name of the location where the item is placed
- Place contains the place of publication
- Item Status contains the status of the item (Repair, On Loan, Reserved). Each Item Status category contains the Item Status Code , Item Status Name and Rules. There are two options in Rules: No Loan Transaction (items can not be borrowed, eg digital collections) and Skipped by Take Stock (not contained in the process of the Stock Take)
- Collection Type the type of item collections owned by the library, for example: Textbook, Reference
- Doc. Language the language used by the document. Eg: Indonesian, English, French, Javanese etc..
- Label To provide specific information about the bibliographic item. labels can be defined in the Master File menu. By default Senayan has three labels: New Title, Favorite Title and Multimedia.
- Frequency contains the time/frequency of publications published (for serial publications)

* In addition to being entered through the Master Files, Publisher, Author and Subject data can also be entered when loading bibliographic data e.g MARC data.

Commencing with Senayan3-Stable15/Matoa there are also new features grouped in Tools. These features include Orphaned Author and Orphaned Subject.

Both these features are used to refine the author/authors and subjects that are not used in the SLiMS database. When it has been filtered by clicking Orphaned Author or Orphaned Subject, a list of subjects or authors that are not used will appear. If you want to remove them, please select some or all, then Delete.

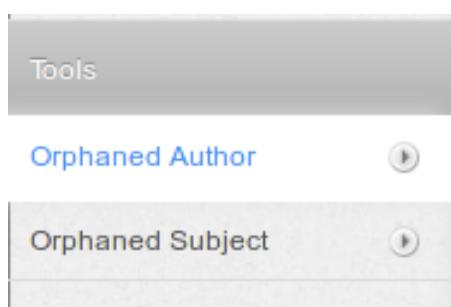


Figure 9.2: Orphaned Feature

9 Master File Topic

10 OPAC (Online Public Access Catalog)

The library is not only a diary of the human race, but marks an act of faith in the continuity of humanity. -Vartan Gregorian

The OPAC (Online Public Access Catalog), is a search tool that is targeted at the user. The OPAC in Senayan consists of Simple Search , Advanced Search , Library Information (information about the library), Help on Search, and Librarian login. In the Simple Search, the search can be done by typing a keyword (title, author, subject ...) in the field provided. In Advanced Search, there are three columns, namely search: Title particular, specific Author, ISBN/ISSN and special Subject. To narrow the search, provide the optional Location, Collection Type and GMD. Information contained in Library Information can be tailored to libraries/institutions libinfo.inc.php by editing files located in the lib folder. As for changing Help on Search, this is done by editing the file help.inc.php located in the lib folder. The initial view of search results in the OPAC loads bibliographic picture/image, title and author. In addition, it is coupled with the Detail button (to see detail bibliographic data) and XML (for XML format). The Detail view, includes the information: Title , Edition, Call Number, ISSN/ISBN, Author, Topics, Classification, Series, Title, GMD, Language, Publisher, Publish Year, Publish place, Collation, Abstract/Notes, File Attachment, Availability (availability: contains item location information , and if the item is available), It also features Topics and Author document linkages. So when we click on Topics or Author in the Detail view, the OPAC will display documents with the same topic or author.

In the OPAC also, there is the capacity to change the interface language. The Senayan OPAC has at least 5 languages of instruction, ie Arabic, Bahasa Indonesia, English, German and Spanish.

10.1 Custom Field Record List

In Senayan stable8, facilities were added to customise appearance and add a record field . This addition can be done by editing the files contained in the folder cus-

10 OPAC (Online Public Access Catalog)

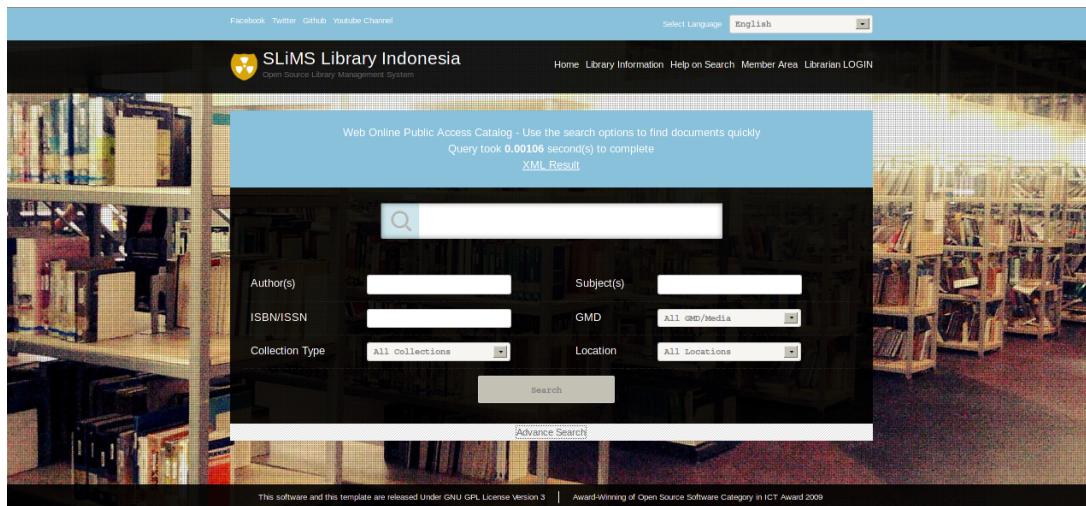


Figure 10.1: OPAC

Judul	Geologi Gunung Api di Indonesia: masa kini dan masa depan
Edisi	
No. Panggil	551.21 Bro g
ISBN/ISSN	9789795510215
Pengarang	Bronto, Sutikno - Personal Name
Subyek/Subjek	gunung api
Klasifikasi	551.21
Judul Seri	Orasi Pengukuhan Profesor Riset bidang Volkanologi
GMD	Buku
Bahasa	Indonesia
Penerbit	Jakarta: Pusat Survei Geologi
Tahun Terbit	2010
Tempat Terbit	Bandung

Figure 10.2: OPAC Detail

```

-<modsCollection xsi:schemaLocation="http://www.loc.gov/mods/v3 http://www.loc.gov/standards/mods/v3/mods-3.3.xsd">
-<mods ID="11" version="3.3">
-<titleInfo>
  <title>Information Architecture for the World Wide Web:</title>
  <subTitle>Designing Large-Scale Web Sites</subTitle>
</titleInfo>
-<name type="Personal Name" authority="">
  <namePart>Morville, Peter</namePart>
-<role>
  <roleTerm type="text">Primary Author</roleTerm>
</role>
</name>
-<name type="Personal Name" authority="">
  <namePart>Rosenfeld, Louis</namePart>
-<role>
  <roleTerm type="text">Additional Author</roleTerm>
</role>
</name>
<typeOfResource manuscript="yes" collection="yes">mixed material</typeOfResource>
<genre authority="marcgt">bibliography</genre>
-<originInfo>
-<place>
  <placeTerm type="text">Cambridge, Mass</placeTerm>
</place>
<publisher>O'Reilly</publisher>
<dateIssued>2002</dateIssued>
<issuance>monographic</issuance>

```

Figure 10.3: OPAC XML

tom_frontpage_record.inc.php OPAC template. So if you want to change the view provided, and you are using the default template, you should edit the file custom_frontpage_record.inc.php existing in /templates/default/. The contents of this file are:

```

// change "0" value to "1" to enable field
// $custom_fields['edition'] = array(1, lang_mod_biblio_field_edition);
$custom_fields['edition'] = array(0, lang_mod_biblio_field_edition); -> to show edition
$custom_fields['isbn_issn'] = array(0, lang_mod_biblio_field_isbn); -> to display the ISBN
$custom_fields['collation'] = array(0, lang_mod_biblio_field_collation); -> to show collation
$custom_fields['series_title'] = array(0, lang_mod_biblio_field_series); -> to show series
$custom_fields['call_number'] = array(1, lang_mod_biblio_field_call_number); -> to show call number

```

The trick is to change the number 0 to number 1 for the extra field(s) you wish displayed in the OPAC

10.2 Display Multimedia

Multimedia files which are uploaded in the Bibliography module will be displayed in the Senayan OPAC module. Here is an example of an .flv file

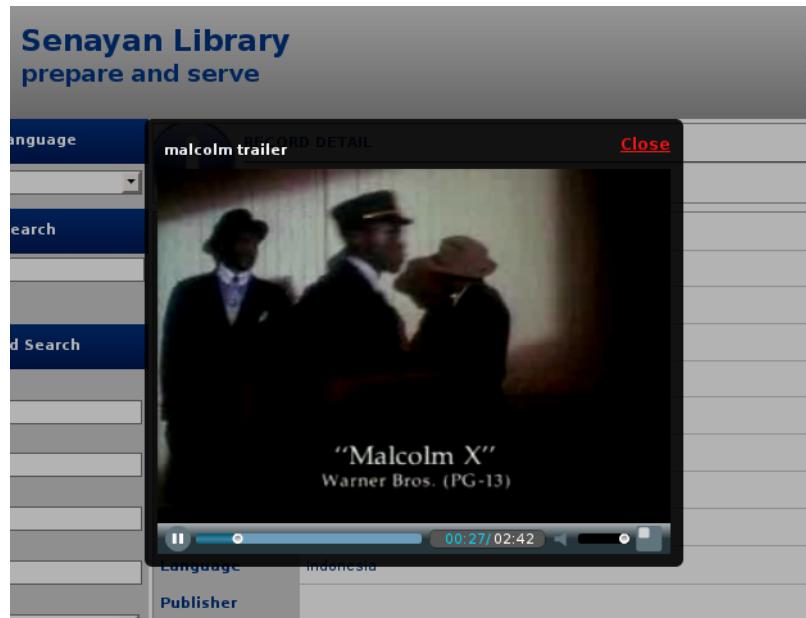


Figure 10.4: Multimedia Display

10.3 Display PDF Streaming

Commencing with Stable13, Senayan has supported the viewing of document attachments in the form of streaming. To display these, the required Flash Player/plugin must be installed on the browser used.

10.4 Boolean Logic in the OPAC

Commencing with Senayan3-stable10, the OPAC search system supports boolean logic. In the search process the operators OR, NOT and AND can be used.

For example: subject = politic NOT politics, the result is politic without invoking politics. title = mapping AND author = Dwikorita , the result is a collection of titles containing the string “mapping” , and by author Dwikorita.

10.5 Member Area

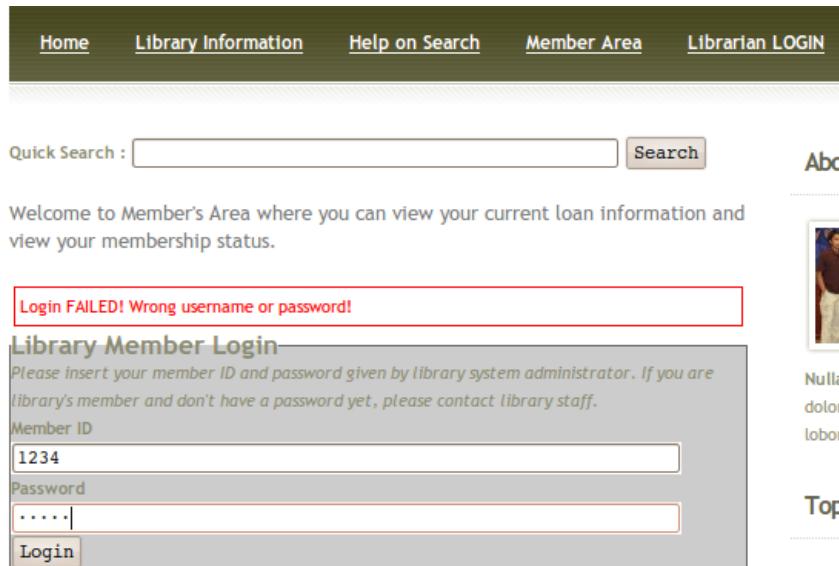
Commencing with Senayan3-Stable12, Senayan has a Member Area feature. The big change in the Member Area occurred in Stable 15/Matoa. In this feature members can log in using their member ID and password previously determined by the librarian



Figure 10.5: PDF Streaming Display

A screenshot of an Online Public Access Catalog (OPAC) search results page. On the left, there are three search panels: "Select Language" (set to Indonesia), "Pencarian Sederhana" (search term: "mapping AND author=dwikorita"), and "Pencarian Spesifik". The main content area displays a search result for a document titled "Landslide Risk Mapping Using GIS-Based Weighted Linear Combination in Kulonprogo Regency, Yogyakarta Special Province, Indonesia" by Pengarang: KARNAWATI, Dwikorita - THEARITH, Yang. It includes "Record Detail" and "XML Detail" buttons.

Figure 10.6: Boolean Logic



The screenshot shows the Member Area login page. At the top, there is a navigation bar with links: Home, Library Information, Help on Search, Member Area, and Librarian LOGIN. Below the navigation bar is a search bar labeled "Quick Search :". To the right of the search bar is a "Search" button. A message box displays the error: "Login FAILED! Wrong username or password!". Below the message box is the "Library Member Login" section. It contains instructions: "Please insert your member ID and password given by library system administrator. If you are library's member and don't have a password yet, please contact library staff." There are two input fields: "Member ID" containing "1234" and "Password" containing ".....". Below the password field is a "Login" button.

Figure 10.7: Member Login Menu Display

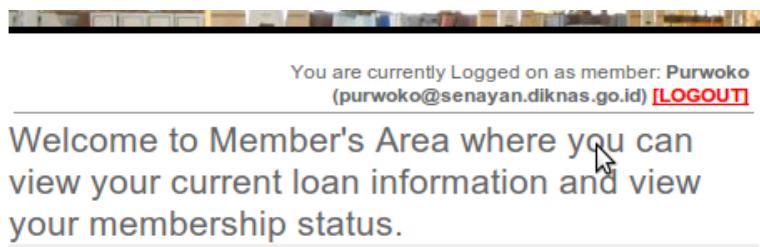


Figure 10.8: Tampilan identitas Anggota yang Log-in

in the member data record. In Stable12 when members login, members can view the collection on loan to them, and change their password. But with this expanded facility in Stable15/Matoa, downloading of a loan list, download of rental history list, and booking via email are all possible.

In addition to loan summaries and download facilities, there is a feature called Title Basket. This basket can be filled according to titles and will attract members in the message.

The method of filling it is, by heading to the OPAC page, and displaying the following:

Anda saat ini login sebagai anggota: Purwoko (purwoko.ugm@gmail.com) [\[KELUAR\]](#)

Quick Search :

Pencarian

Selamat Datang di Area Anggota, dimana Anda bisa melihat status keanggotaan dan peminjaman Anda

Data Anggota

Notes	Keanggotaan anda sudah HABIS MASA BERLAKU-nya! Harap perpanjang keanggotaan anda segera.		
Nama Anggota	Purwoko	ID Anggota	180582
Email Anggota	purwoko.ugm@gmail.com	Tipe Keanggotaan	Employer
Tanggal Registrasi	2009-10-27	Berlaku Hingga	2010-10-27
Institusi	Pustakawan		

Peminjaman Anda

1 koleksi yang sedang dipinjam | [Download All Current Loan](#)

Kode Koleksi	Judul	Tanggal Pinjam	Tanggal Harus Kembali
glb01234	The mesozoic in the eastern part of Indonesia : proceedings of symposium and workshop	2010-09-24	2010-10-01 TERLAMBAT

Your Loan History

4 item(s) loan history | [Download All Loan History](#)

Kode Koleksi	Judul	Tanggal Pinjam	Return Date
glb05212	Principles of sedimentology and stratigraphy	2010-01-21	2010-01-21
glb05213	Principles of sedimentology and stratigraphy	2010-01-21	2010-01-21

Figure 10.9: Member Information, Loan and borrowing history + download list

Your Loan History

4 item(s) loan history | [Download All Loan History](#)

Kode Koleksi	Judul	Tanggal Pinjam	Return Date
glb05212	Principles of sedimentology and stratigraphy	2010-01-21	2010-01-21
glb05212	Principles of sedimentology and stratigraphy	2010-01-21	2010-01-21
P1		2010-01-21	2010-01-21
glb00004	Megatrends 2000 : sepuluh arah baru untuk tahun 1990-an	2009-10-27	2010-01-18

Keranjang Judul Anda

Tidak Ada Data

Ubah Password

Password Saat Ini	<input type="text"/>
Password Baru	<input type="text"/>
Konfirmasi Password	<input type="text"/>
Ubah Password	

Figure 10.10: Informasi Sejarah peminjaman, keranjang judul dan ubah password

1 2 3 4 5 Berikutnya Hal. Akhir

Taruh pilihan yang ditandai ke dalam keranjang

[Development of Slope Protection System for Landslide Prevention by Bioengineering in Kalibawang, Indonesia](#)
Pengarang : KARNAWATI, Dwikorita - NGUYEN Minh Trung -
[Detail Rekod](#) [XML Detail](#) tandai ini

[Delination of Strong Ground Motion by Using Aftershocks Data, Seismicity, and Geological Information for Southern Yogyakarta Depression Area, Indonesia](#)
Pengarang : PRAMUMIJOYO, Subagyo - MYO Thant -
[Detail Rekod](#) [XML Detail](#) tandai ini

[Aspek Geologi dan Implikasinya terhadap Kualitas "marmer" komersial: studi kasus marmer komersial fatumnasi kabupaten timur tengah selatan propinsi nusa tenggara timur](#)
Pengarang : Sukandarrumidi - Kotta, Herry Zadrak -
[Detail Rekod](#) [XML Detail](#) tandai ini

Figure 10.11: Filling Title Basket

A display as above appears, if you login as a member. To select a title, please tick the box at the end of each title, then click "Put marked selection into basket". The results are as follows.

To send requests to the Librarian, please click "Reserve added to the basket." Then if successful a message will appear as follows¹:

Librarians will receive a submission email as follows:

¹ Requests for delivery go via email: please see the email settings in the Tips and Tricks section - Setting up email server.

Keranjang Judul Anda

3 Judul dalam keranjang

[Reservasi ditambahkan ke dalam Keranjang](#) :: [Bersihkan Keranjang](#) :: [Hapus judul terpilih dari Keranjang](#)

Hapus Judul	
<input type="checkbox"/>	Development of Slope Protection System for Landslide Prevention by Bioengineering in Kalibawang, Indonesia
<input type="checkbox"/>	Delination of Strong Ground Motion by Using Aftershocks Data, Seismicity, and Geological Information for Southern Yogyakarta Depression Area, Indonesia
<input type="checkbox"/>	Aspek Geologi dan Implikasinya terhadap Kualitas "marmer" komersial: studi kasus marmer komersial fatumnasi kabupaten timur tengah selatan propinsi nusa tenggara timur

Figure 10.12: Your Title Basket contents

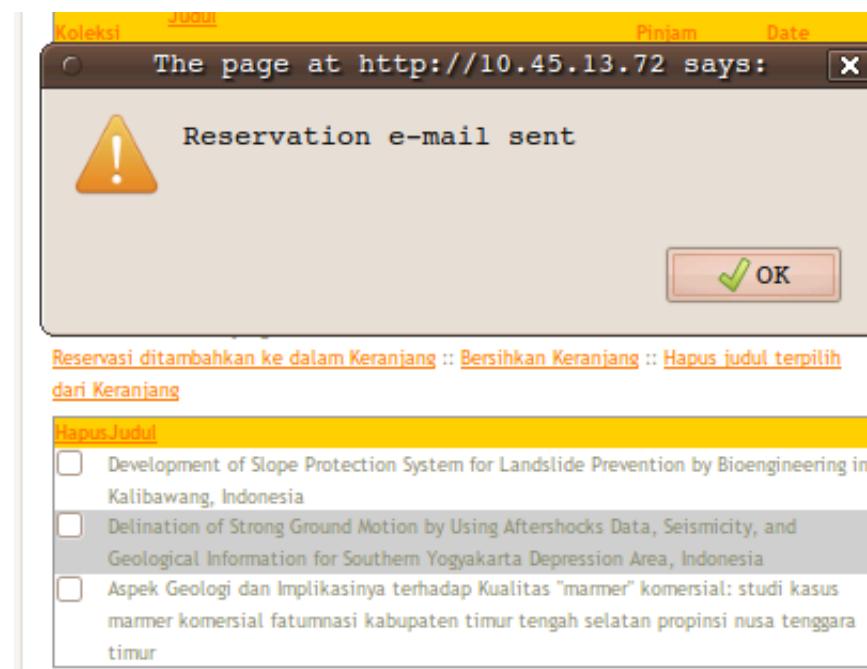


Figure 10.13: Requests sent to librarians e-mail

Reservation request from Member Purwoko (tamanjiwa@gmail.com) Inbox | x

● SLIMS Administrator [show details](#) 22:38 (50 minutes ago)

Member: Purwoko (180582)
Reserve Date: 2011-02-18 22:38:29

Titles to reserve
Development of Slope Protection System for Landslide Prevention by Bioengineering in Kalibawang, Indonesia

Figure 10.14: Requests received in librarians e-mail

11 Presence Module (Library Visitor Count)

This module is accessed through this URL (adjust to your own SLiMS address):

`http://localhost/slisms5_meranti/?p=visitor`

The module displays are as follows:

Figure 11.1: Visitor Counter Display

Visitors to the library can be divided into 3 categories: Members who have registered and are still active, inactive registered members (membership card expired), and visitors who are not members/unregistered.

If you are already registered, then simply put visitors data in the column above Member ID and press Enter or click Add. Then the data is already stored as 1x visit complete with time and date of visit. If members are not active (but registered), the system will tell members that their membership has expired . If they are not a registered member, then they have to manually enter their name and institution (mandatory).

For the safety and validity of the visitor attendance, the Visitor Counter can be set for only computers with certain Internet Protocol addresses to access. This setting is contained in a file called visitor.inc.php . which located in the folder

`/senayan/lib/contents/visitor.inc.php`

The script is as follows:

```
$allowed_counter_ip = array('127.0.0.1');
```

11 Presence Module (Library Visitor Count)

In the script above, 127.0.0.1 (which is the localhost address) is an IP address which is allowed to access the visitor counter. If there is more than one computer then the computer IP address in question must be pre-loaded in the script above. For example, to allow computers with the IP addresses 10.45.1.1, 10.45.1.2 and 10.45.1.3, the script is written:

```
$allowed_counter_ip = array('10.45.1.1', '10.45.1.2','10.45.1.3');
```

The report can be seen in the Visitor sections of the Reporting module.

However, access to the Server IP will be disturbed if you use a proxy browser. Therefore, you may remove the proxy settings to the SLiMS server.

12 Tips and Tricks

Knowledge is free at the library. Just bring your own container. - Unknown

12.1 OAI-PMH Service

OAI-PMH has been present in SLiMS since SLiMS-5. With this facility, an OAI Server with an interest in the data of a library using SLiMS can retrieve data (harvest/harvesting). For example, in order to join the portal Garuda <http://garuda.kemdiknas.go.id>. SLiMS library users , can upgrade SLiMS to SLiMS-5 so that the Garuda server can easily retrieve data automatically. OAI-PMH has multiple functions / capabilities, including:

----- *Not yet filled*

The way to enable/use this service is:

1. Install/Upgrade your SLiMS to SLiMS-5 Meranti
 2. Verify SLiMS OPAC can be accessed via the internet
 3. Setting OAI-PMH features that 'enable' value to = "true". This setting is in file `sysconfig.inc.php`
-
1. Convey the OAI-PMH service URL to stakeholders. The URL is:
`http://slimsdomainname/oai.php?verb=ListRecords&metadataPrefix=oai_dc`

```
// OAI-PMH settings
$sysconf['OAI'][['enable']] = false;
$sysconf['OAI'][['identifierPrefix']] = 'oai:slims/';
$sysconf['OAI'][['Identify']][['baseURL']] = 'http://'.S_SERVER['SERVER_NAME'].':';
$sysconf['OAI'][['Identify']][['repositoryName']] = 'SLiMS Senayan Library Management System';
$sysconf['OAI'][['Identify']][['adminEmail']] = 'admin@slims.web.id';
$sysconf['OAI'][['Identify']][['granularity']] = 'YYYY-MM-DDThh:mm:ssZ';
$sysconf['OAI'][['Identify']][['deletedRecord']] = 'transient';
$sysconf['OAI'][['Identify']][['metadataPolicy']] = '';
$sysconf['OAI'][['ListRecords']][['RecordPerSet']] = '100';
$sysconf['OAI'][['MetadataFormats']][['Dublin Core']] = array(
    'oai_prefix' => 'oai_dc',
    'schema_xsd' => 'http://www.openarchives.org/OAI/2.0/oai_dc.xsd',
    'namespace' => 'http://www.openarchives.org/OAI/2.0/oai_dc/');

```

Figure 12.1: Setting OAI in file `sysconfig.inc.php`

```

<OAI-PMH xsi:schemaLocation="http://www.openarchives.org/OAI/2.0/ http://www.openarchives.org/OAI/2.0/OAI-PMH.xsd">
<responseDate>2012-03-24T20:51:57Z</responseDate>
<request verb="ListRecords" metadataPrefix="oai_dc">http://localhost:80/oai.php</request>
-<ListRecords>
-<record>
-<header>
-<identifier>oaislims/19</identifier>
-<header>
-<metadata>
-<oai_dc:dc xsi:schemaLocation="http://www.openarchives.org/OAI/2.0/oai_dc/ http://www.openarchives.org/OAI/2.0/oai_dc.xsd">
-<dc:title>
    Alkitab musikal laskar pelangi: original cast recording
-</dc:title>
-<dc:publisher>Miles Production</dc:publisher>
-<dc:date>2010</dc:date>
-<dc:hasVersion/>
-<dc:language/>
-<dc:medium>Sound Recording</dc:medium>
-<dc:format>Sound Recording</dc:format>
-<dc:extent>1 sound disc : digital ; 4 3/4 in.</dc:extent>
-<dc:description>Indonesian popular songs from cast recording.</dc:description>
-<dc:abstract>Indonesian popular songs from cast recording.</dc:abstract>
-<dc:subject>2001-2010</dc:subject>
-<dc:subject>
-<dc:subject>SDC 07541</dc:subject>
-<dc:identifier/>
-<dc:identifier/>
-</oai_dc:dc>
-</metadata>
-</record>

```

Figure 12.2: SLiMS OAI-PMH URL

12.2 Integration of SLiMS OPAC and Drupal

This is how to enable the slims-drupal module in your Drupal installation :

1. The Drupal module can be tried by downloading the module file:
<http://slims.web.id/download/slims-drupal-1.0.zip>.
2. Extract, and put in the directory `sites/all/modules` in Drupal and then enable the module from within Drupal administration.
3. Once enabled do not forget to enter the URL:
<http://localhost/drupal/admin/settings/slims> to configure your Base URL

The slims-drupal module is a module that integrates your Drupal installation with the SLiMS installation. That way, you will have a more comprehensive site for library needs that you manage online.

Enjoy! Do not forget, if you find a bug in this module, please report it immediately to the developer through the SLiMS user forum, <http://slims.web.id/forum>

12.3 Size settings, barcode labels, note cards and borrowing members

Setting the size of barcodes and labeling can be done by editing the file `printed_settings.inc.php`, located in: `/senayan3-stable7/admin/admin_template/` (please adjust to the version of SliMS you are using)

The screenshot displays the SLiMS Drupal application interface. At the top left is a logo of a blue graduation cap with a white 'E'. To its right is the text "Edu Learning". On the far right of the header is a "Home" link. The main content area has a light blue header bar with the text "Online Access Public Catalog". Below this, a green box indicates "Found 15 record(s) from catalog". There are two search options: "Simple Search" (selected) and "Advanced Search". The "Simple Search" form contains a "Keywords:" input field with placeholder text "Put one or more keywords to search specific collections." and a "Search" button. Below the search forms, there are four catalog records listed:

- Web application architecture :principles, protocols, and practices**
Author: Shkla, Leon - Rosen, Richard
Publisher: John Wiley
Publish year: 2003
- Information Architecture for the World Wide Web:Designing Large-Scale Web Sites**
Author: Morville, Peter - Rosenfeld, Louis
Publisher: O'Reilly
Publish year: 2002
- Producing open source software :how to run a successful free software project**
Author: Fogel, Karl
Publisher: O'Reilly
Publish year: 2005
- Library and Information Center Management**
Author: Stueart, Robert D. - Moran, Barbara B.
Publisher: Libraries Unlimited
Publish year: 2007

Figure 12.3: SLiMS Drupal

In this file the lines of code are as follows:

```
// label print settings
/* measurement in cm */
$page_width = 50;
$page_height = 30;
$page_margin = 0.2;
$items_per_row = 3;
$items_margin = 0.05;
$box_width = 8;
$box_height = 3.3;
$include_header_text = 1; // change to 0 if dont want to use header in each
label
$header_text = ""; // keep empty if you want to use Library Name as a header
text
// item barcode print settings
/* measurement in cm */
$barcode_page_width = 50;
$barcode_page_height = 30;
$barcode_page_margin = 0.2;
$barcode_items_per_row = 3;
$barcode_items_margin = 0.1;
$barcode_box_width = 7;
$barcode_box_height = 5;
$barcode_include_header_text = 1; // change to 0 if dont want to use header
in each barcode
$barcode_cut_title = 50; // maximum characters in title to appear in each
barcode. change to 0 if you dont want the title cutted
$barcode_header_text = ""; // keep empty if you want to use Library Name as
a header text
// member card print settings
/* measurement in cm */
$card_page_width = 50;
$card_page_height = 50;
$card_page_margin = 0.2;
$card_items_per_row = 2;
$card_items_margin = 0.1;
$card_box_width = 11;
$card_box_height = 6;
$card_header_text = $sysconf['library_name'];
$card_photo_width = 3;
$card_photo_height = 3;
// barcode generator print settings
$barcodegen_page_width = 29.7;
$barcodegen_page_height = 21;
```

Indexes: ?				
Keyname	Type	Cardinality	Action	Field
PRIMARY	PRIMARY	16		biblio_id
references_idx	INDEX	None		gmd_id publisher_id language_id publish_place_id
classification	INDEX	None		classification
notes_ft_idx	FULLTEXT	None		notes
title_ft	FULLTEXT	None		title

Create an index on columns

Figure 12.4: Deleting index title_ft

```
$barcodegen_page_margin = 0.2;
$barcodegen_items_margin = 0.05;
$barcodegen_include_border = 0;
/* Receipt Printing */
$receipt_width = '15cm';
$receipt_font = 'serif';
$receipt_color = '#000';
$receipt_margin = '5px';
$receipt_padding = '5px';
$receipt_border = '1px dashed #000';
$receipt_fontSize = '7pt';
$receipt_header_fontSize = '8pt';
$receipt_titleLength = 100;
?>
```

If you want the settings for the barcode, label and members card to differ in each template, then you can copy the file `print_settings.inc.php` into each admin, template and change it according to your tastes.

12.4 Searching in the OPAC with keywords of at least 3 letters?

1. Open the `my.ini` file located in `/mysql/my.ini`. At line 43 enter the following script:

```
ft_min_word_len=3
```

1. Then save the file and restart the mysql server.
2. Open the Senayan database with `phpmyadmin`.
3. Click `biblio` table, then see the Indexes on the bottom. You will find the keyname `title_ft` the title field. Clear lines by clicking X.

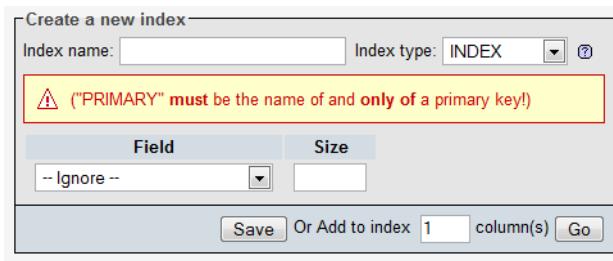


Figure 12.5: MySQL Index Additions

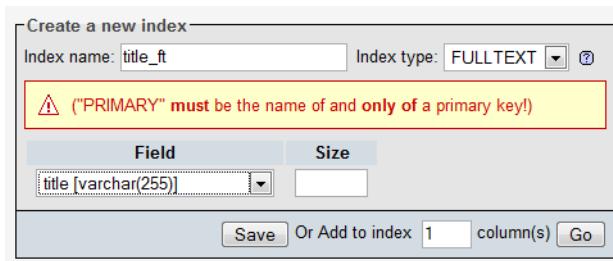


Figure 12.6: Results of MySQL Index Additions

1. Then in the "Create an index on" field, enter 1 and click Go, A display appears as follows:

1. Fill in the blank field above to become like this:

You needed to change, as above, : Index name, Index type and Field. Click SAVE. Restart your Mysql and then Senayan OPAC is able to search by 3 character keywords.

12.5 Tutorial on Upgrading a Senayan Library Application

At this time, the Senayan Developer Community team will provide tips and tricks on how to upgrade from older versions of Senayan to the latest version. Please note that on the date 13 March 2008, Senayan was released to the public and named development Senayan3-Stable1. Up to this now there have been releases through to Stable10. There have been lots of bug fixes, improvements, and additional features included in the current module now released. So the question arises, what if we have used an old Senayan version , and want to upgrade to the latest version? In the following we give tips and tricks for upgrading old Senayan versions to the latest version.

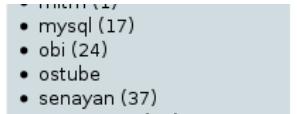


Figure 12.8: Choose senayan database

First, please note that upgrading Senayan should be gradual and sequential. For example, if we had used Senayan3-Stable1, then an upgrade to Senayan3 Stable9 should be done in accordance with the sequential version level above it. This means doing an upgrade from Stable1 to Stable2 first, then going to Stable3 and so on, until the Stable9.

Secondly, here are the ways of technically upgrading:

- Upgrade using phpmyadmin

1. Open your browser, and type the address <http://localhost/phpmyadmin>

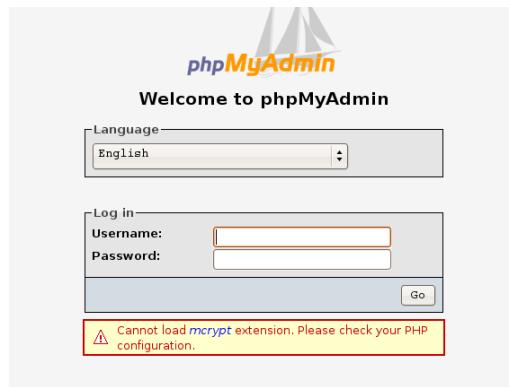


Figure 12.7: Open phpmyadmin

2. Enter your username and password.
3. Select the Senayan database by clicking the database name.
4. Click Import tab .
5. Click browse.

12 Tips and Tricks

Server: localhost > Database: senayan

Table	Action	Records ¹	Type	Collat
backup_log		122	MyISAM	utf8_unicode_ci
biblio		6,782	MyISAM	utf8_unicode_ci
biblio_attachment		33	MyISAM	utf8_unicode_ci
biblio_author		9,865	MyISAM	utf8_unicode_ci
biblio_topic		5,153	MyISAM	utf8_unicode_ci
content		4	MyISAM	utf8_unicode_ci

Figure 12.9: Choose Import tab

Server: localhost > Database: senayan

File to import

Location of the text file: Browse... (Max: 8,192 KiB)

Character set of the file: utf8

Imported file compression will be automatically detected from: None, gzip, bzip2, z

Partial import

Allow the interruption of an import in case the script detects it is close to the P break transactions.

Number of records (queries) to skip from start: 0

Figure 12.10: Click Browse

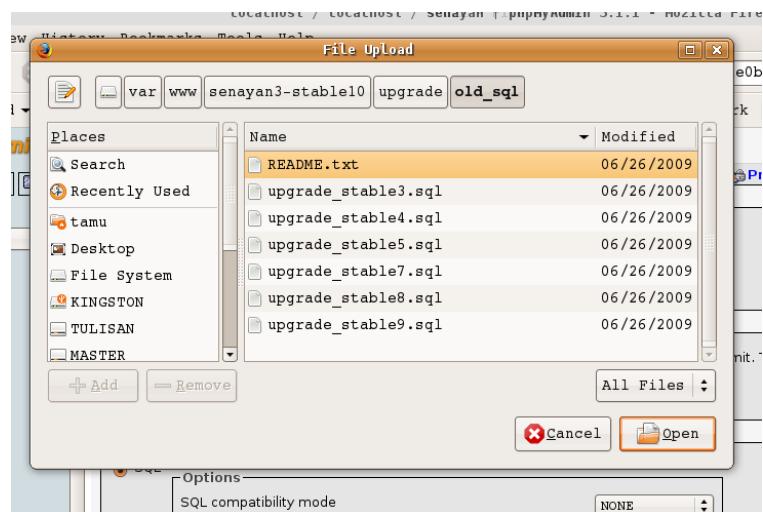


Figure 12.11: Select the data to upgrade

```
/* DATABASE CONNECTION config */
// database constant
// change below setting according to your database configuration
define('DB_HOST', 'localhost');
define('DB_PORT', '3306');
define('DB_NAME', 'senayan');
define('DB_USERNAME', 'root');
define('DB_PASSWORD', 'admin');
// we prefer to use mysqli extensions if its available
if (extension_loaded('mysqli')) {
    /* MYSQLI */
    $dbs = @new mysqli(DB_HOST, DB_USERNAME, DB_PASSWORD, DB_NAME,
        if (mysqli_connect_error()) {
            die('<div style="border: 1px dotted #FF0000; color: #FF0000
    }
}
```

Figure 12.12: Edit sysconfig.inc.php

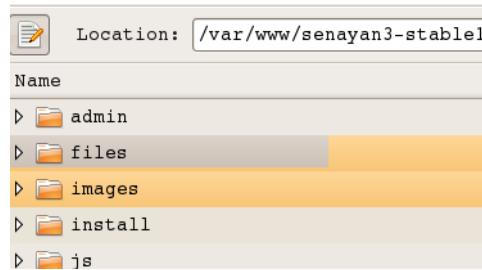


Figure 12.13: Copy FILE and IMAGES folders

6. Locate file `upgrade_stable3.sql` (if you are using Senayan3-Stable2) and locate the file `upgrade_stable4.sql` (if you are using Senayan3-Stable4), (etc) . The file is located in the path `../upgrade/old_sql/..`

7. Then click Go.

8. Repeat steps No. 6 and 7 until the `upgrade_stable10_patch1.sql`.

9. Then re-do the editing in the `filesysconfig.inc.php` which is in Senayan3-Stable9, and adjust the configuration to match `sysconfig.inc.php` in the old Senayan version you are using. Also customize the file location for your `mysqldump` (also in file `sysconfig.inc.php`).

10. Copy and paste the images and files that exist in the old Senayan version (which you are currently using) to the latest Senayan version .

11. Open a new browser and enter the address for the latest version to access your Senayan.

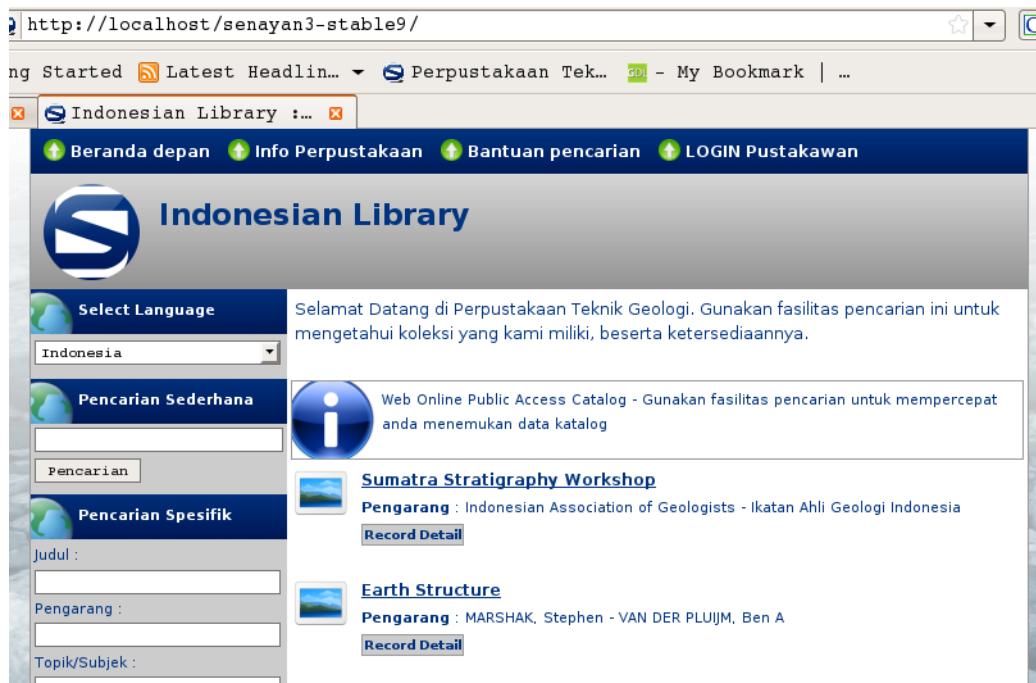


Figure 12.14: Display latest version of Senayan

12. Good luck.

12.6 Changing and adding information to the Library Information in OPAC

Commencing with Senayan3-stable9 these tips have moved to the menu: System -> Content

12.7 Changing and adding information on Help on Search

Commencing Senayan3-stable9 these tips have moved to the menu: System -> Content

12.8 Change/Make a new Introduction to the language

- Commencing with Senayan3-stable11, we use gettext function in PHP to replace the constant value in the previous language file (eg indonesia.lang.inc.php or en-

glish.lang.inc.php). Now the Senayan Application Default Language, provides three (3) languages : Indonesian, English and German.

- The following instructions provide only a brief instruction to increase language translation in Senayan. A more complete explanation of the the way to alter language in many applications can be found at:

<http://carsonified.com/blog/features/webapps/give-your-web-app-international-appeal/>

and in

<http://carsonified.com/blog/dev/give-your-web-app-international-appeal-part-ii/>

1. The first step is to download the program poedit

- Download poedit at <http://www.poedit.net/> and install it. The application is available in versions of Window / Linux / Mac.

2. Make a folder/directory for a new "language"

- a) Open the directory senayan3/lib/lang/locale

- b) Create a folder describing the "language" and the translation. Eg en_US stands: for the UK/USA. Although it is not completely necessary to use this convention, it would be better if we can follow it consistently. A list of language codes can be found at <http://www.gnu.org/software/gettext/manual/gettext.html#Usual-Language-Codes> and for the country code: <http://www.gnu.org/software/gettext/manual/gettext.html#Country-Codes>

- c) Entry into the new folder and create another folder which is called: LC_MESSAGES

- d) Suppose that a langauge folder is made , called en_us, so now the last directory path will be en_US/ LC_MESSAGES

3. Make a CATALOG to create a translation

- a) Start PoEdit

- b) Click Menu "File"> "New Catalog"

- Tab "Project info":
 - "Project Name and Version": (Optional) Enter Senayan3
 - "Team": (Optional) Enter the name of your team
 - "Team's email address": (Optional) Enter your email
 - "Language": Select the language you want to translate TO
 - "Country": Select a country for the language
 - "Charset": Use utf-8
 - "Source code charset": Use utf-8

- "Plural forms": This is a little more complicated. If in the language you have only one plural form, then use: nplurals = 2; plural = n! = 1; For other languages you can find a list of possible plural forms in <http://translate.sourceforge.net/wiki/l10n/pluralforms>
 - "Base Path": Enter: ../../..../..../..
 - "Paths" (Click the button "New Item"): Enter: . (only a dot)
 - Tab "Keyword"
 - Add two lines:
 __ (Two bottom lines)
 __gettext
- c) Press OK and save the file in senayan3/lib/lang/locale/(YOUR LANGUAGE)/LC_MESSAGES with the name of
messages.po
4. Starting translation:
- a) First of all you have to collect all the strings to be translated. Go to the "Catalog">> "Update from sources" (or simply click on the third button from the left in the main window)
 - b) Now begin to translate each line by clicking on it and entering the translations at the bottom of the window.
 - c) When finished go to "File">> "Save" (or press the second button from the left)

5. Presenting the results of translation

- a) Open file /senayan3/lib/lang/localisation.php and at the end a line like this should be changed/added (according to the appropriate code and names):

```
$available_languages [] = array ( 'xx_XX' , __ ( 'NAMA BAHASA  
INGGRIS') , 'NAMA NATIVE Bahasa' ) ;
```

NOTE

- When right-clicking on a line, you can see where the context of the (source code) string is used.
- If at any time you want to change the translation the same way repeatedly, you have to do it one by one because poedit does not support the operation search & replace text repeatedly. Another way it can be done is by opening the file messages.po in a text editor and do a search and replace in the file. The following list will help to resolve this situation.
- *A list of words/phrases common in Senayan:*

12 Tips and Tricks

- This is just a small list of words/phrases that are found when translating.
This list can help to find the best translation of the term "troublesome" and maintain consistency in interpreting the use of synonyms.

add =>	loan =>
Are You Sure Want to =>	Loan Limit =>
Authority Files =>	Location =>
Authority Type =>	login =>
bibliographic =>	Lookup Files =>
can't be empty / can not be empty =>	make sure =>
Call Number =>	member ID =>
cancel =>	Member Type =>
circulation =>	Member Type Name =>
check =>	Membership =>
checkout (items) =>	module =>
Code =>	must be set = can't be empty =>
Collection Type =>	overdue =>
confirm =>	(overdue) fines =>
content =>	Override(Overide) =>
copies = items =>	pending =>
Credit =>	PERMITTED =>
data =>	Place =>
database backup =>	previous =>
Debit =>	privileges =>
due date =>	promote(ed) =>
expired =>	quick return =>
Expiry Date =>	Real Name =>
Export XXX Data To CSV format =>	Reborrow =>
fines =>	repository =>
Forbidden =>	Required =>
frequency =>	reservation =>
gmd =>	return =>
group =>	section =>
history =>	stock take =>
holiday =>	Subject =>
id =>	Subject Type =>
image thumbnail =>	Subscription =>
Import Data to XXX from CSV file =>	supplier =>
initialize =>	System Users =>
Inventory Code =>	template =>
item = copies =>	transaction =>
Item Code =>	uncheck =>
label =>	update =>
Labels =>	user/user name =>

12 Tips and Tricks

library automatation (system) =>	view =>
library members =>	you =>
list =>	You are going to edit xxx =>

12 Tips and Tricks



Figure 12.16: Printing barcodes in the System menu

12.9 Setting Barcodes

To get good results when barcode printing, the minimum number of barcode characters is 6. These may consist of numbers or letters only . Avoid * & ()% \$ # @!, Except for (-).

Some examples of printing barcode:

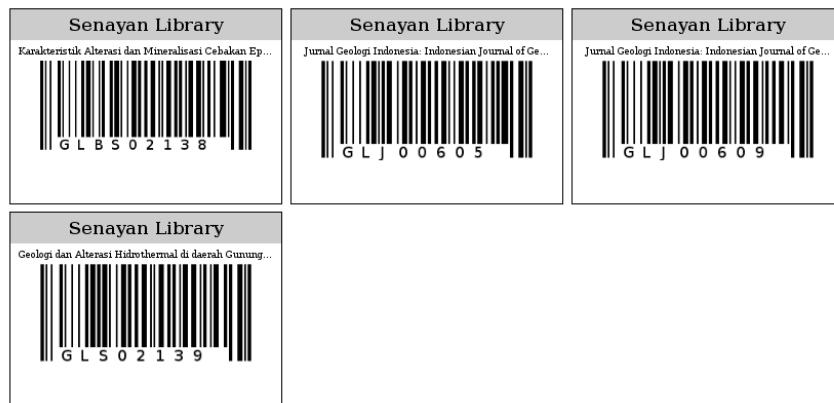


Figure 12.15: Collection barcode printing results



Figure 12.17: Printing barcodes on Member Cards

*) On the membership card, members may have a long name ID, Name or Member Type which may be truncated (and destroy the layout). To overcome this, adjust the length of the name of the member and the length of the membership card.

12.10 Changing the OPAC Template

To get a different look from the standard view OPAC, you can make changes to the template that has been provided in the SLiMS distribution . Here is the standard view in SLiMS:

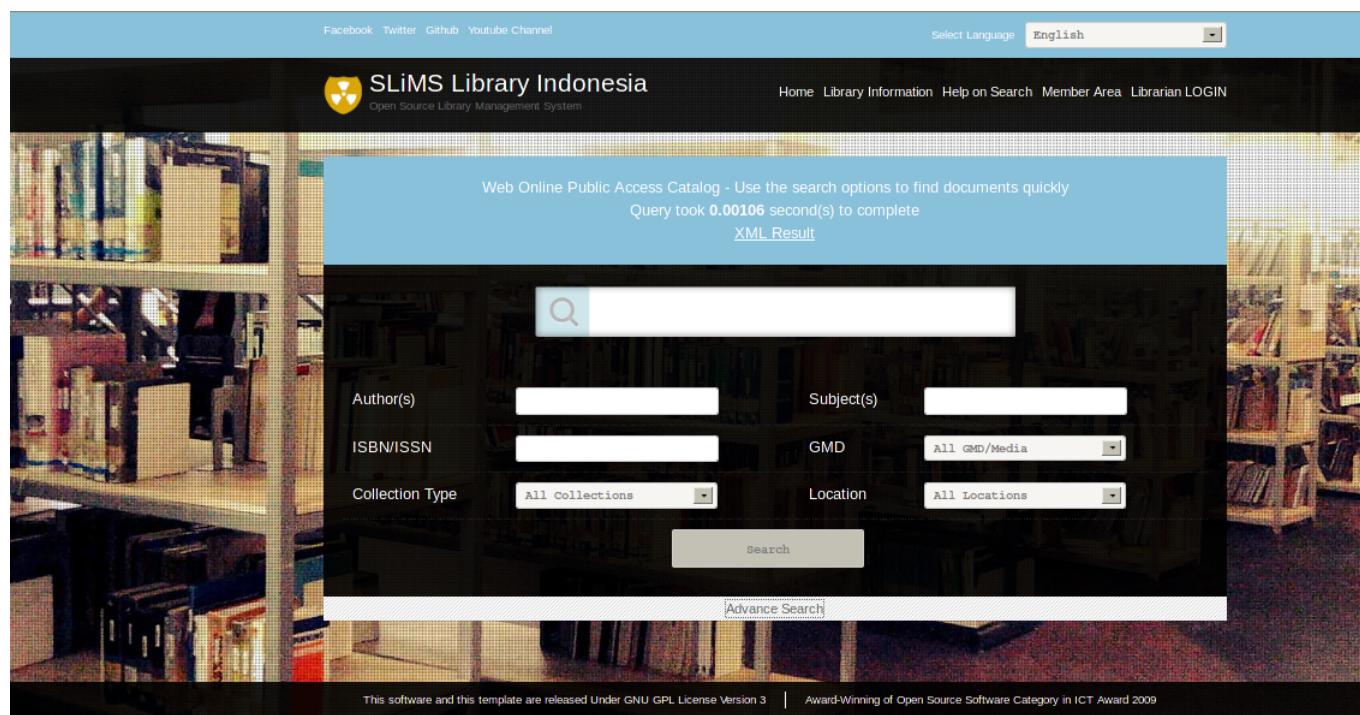


Figure 12.18: SLiMS Standard template

The file that displays the contents as shown above can be found in the folder /templates/default.

The pictures that are used in the template shown above, are all contained in the folder /templates/default /media. All existing image components such as logos and background images can be changed using the logo and background images you want.

Please remember that the background image file names or the new logo file name should be the same as the original background image file name or logo file name. If you do make changes to the file name of the logo, background image etc, all you have to do is edit the style.css file folder /templates/default. Change the parts that indicate the file names logos, background images etc.

12.11 Enabling Apache and MySQL in psenayan as an automatic service in Microsoft Windows

Apache web server and MySQL database in a portable Senayan used on Microsoft Windows operating systems, can be run automatically, without having to turn on mysql_start.bat and apache_start.bat file manually. This is done by making the two files into services.

We start by opening a command prompt in Windows. To install the Apache web server as a service, make sure that we are already in the directory psenayan. (cd to the psenayan directory). Enter the command:

```
\psenayan\apache\bin\httpd.exe -k install -n Apache2.2
```

For example, if we put psenayan on drive D:, then the command is:

```
D:\psenayan\apache\bin> httpd.exe -k install -n Apache2.2
```

The above command makes the Apache web server run automatically when Windows starts up.

After the Apache web server, the next step is to set the MySQL database as a service in a portable Senayan system. Just like the previous process, first make sure we are in the directory psenayan. (cd to the psenayan directory) . Enter the command:

```
<directory name>:\psenayan\mysql\bin\mysqld.exe install
```

For example, if we put psenayan on drive D:, then the command is:

```
D:\psenayan\mysql\bin> mysqld.exe --install
```

The above commands have enabled MySQL as a service. The next step is to change some parts of the my.ini file, located in the directory psenayan\mysql. We have to change the basedir and datadir there. These sections in the my.ini file are:

```
# set basedir to your installation path  
basedir=/psenayan/mysql  
# set datadir to the location of your data directory  
datadir=/psenayan/mysql/data
```

What must be changed is the addition of the directory where psenayan basedir and datadir are stored. Since in our example we put the psenayan directory on drive D:, then the form of the changes is:

```
# set basedir to your installation path  
basedir=D:/psenayan/mysql  
# set datadir to the location of your data directory  
datadir=D:/psenayan/mysql/data
```

Save the file and Restart your computer first. If there are no errors in the process, then psenayan is ready for immediate use without having to open the files apache_start.bat and mysql_start.bat again.

12.12 Disabling Apache and MySQL services in psenayan on Microsoft Windows

One way or another, there may be times when we want to remove the automated service that we have setup. To that end, if we want to remove the Apache service, first of all, make sure we are in the directory where Apache service is. Then issue the command e.g

```
<directory name>>:\psenayan\apache\bin> httpd.exe -k uninstall -n Apache2.2
```

whereas if we want to remove the MySQL service, just like the Apache service, make sure we already reside in the directory where the MySQL service is, and issue the command

```
<directory name>>:\psenayan\apache\bin> mysqld.exe --remove
```

12.13 If you lose the Admin Password in the Senayan application

If librarians have forgotten the admin password in the Senayan application , then the solution is to change the admin password via mysql database reset. The steps are as follows:

- Open phpmyadmin and if you use Psenayan, type `http://localhost/pma`; and log in with the username root and password psenayan (provided you haven't changed these). The phpmyadmin display will appear .
- Search for the database that you use on the left. If the database has not been changed then its name will be senayandb
- Click the user table, this table contains the username and password used to log in the application senayan. Well this is the place dirubahnya admin password.

12 Tips and Tricks

- After clicking the user table, then on the right there will be displayed a list of usernames that are held by the Senayan application . Click the pen (edit) the admin username (value 1).

		user_id	username	realname	
<input type="checkbox"/>	 	1	admin	Administrator	21

↑ [Check All / Uncheck All](#) With selected:  

 Show : 30 row(s) starting from record 1 in horizontal mode and repeat

Figure 12.19: List Username

Field	Type	Function	Null	Value
user_id	int(11)			1
username	varchar(50)			admin
realname	varchar(100)			Administrator
passwd	varchar(35)			21232f297a57a5a743894a0e4a801fc3
last_login	datetime		<input type="checkbox"/>	2010-06-02 05:03:25
last_login_ip	char(15)		<input type="checkbox"/>	::1
groups	varchar(200)		<input type="checkbox"/>	a:1:{i:0;s:1:"1";}
input_date	date		<input type="checkbox"/>	2010-04-02
last_update	date		<input type="checkbox"/>	2010-04-02

Figure 12.20: EncryptedPassword

- Change the password that has been encrypted with the new password, for example, admin

Field	Type	Function	Null	
user_id	int(11)			1
username	varchar(50)			admin
realname	varchar(100)			Administrator
passwd	varchar(35)	MD5		admin
last_login	datetime		<input type="checkbox"/>	2010-06-02 05:03:25
last_login_ip	char(15)		<input type="checkbox"/>	::1
groups	varchar(200)		<input type="checkbox"/>	a:1:{i:0;s:1:"1";}
input_date	date		<input type="checkbox"/>	2010-04-02
last_update	date		<input type="checkbox"/>	2010-04-02

Figure 12.21: Change the password, and change the function toMD5

- In the Function select MD5, then click Go.

admin
2010-06-02 05:03:25
::1
a:1:{i:0;s:1:"1";}
2010-04-02
2010-04-02
Go

Figure 12.22: Done Changing Password

- The password for your admin username has been reset as admin. Please logon to the Senayan application with username admin and password admin.

12.14 Adding file type extensions that can be uploaded as bibliography attachments

When entering bibliographic data, you will find the facility to upload image files and file attachments. A variety of image files, as well as document files can be uploaded.

If you try to upload a file and fail, one possibility (remember this is only one possibility) is that the extension of the document/file you uploaded is not permitted. For example,

the file extension .WAV. You can make additions in order for files with this extension to be uploaded.

- Open the file sysconfig.inc.php
- Find the line (approximately) 251, where you will see the following entry:

```
$sysconf['max_image_upload'] = 500; // allowed image file to upload
$sysconf['allowed_images'] = array('.jpeg', '.jpg', '.gif', '.png', '.JPEG', '.JPG',
'.GIF', '.PNG'); // allowed file attachment to upload
$sysconf['allowed_file_att'] =
array('.pdf', '.rtf', '.txt', '.odt', '.odp', '.ods', '.doc', '.xls', '.ppt', '.avi', '.mpeg',
'.mp4', '.flv', '.mvk', '.jpg', '.jpeg', '.png', '.gif', '.ogg', '.mp3');
```

You can add the file types you are referring to, in the above code.

The file extensions written here are case sensitive, so .Mp3 will be different to .MP3. If the sysconfig allows .Jpg, and your upload files end in .JPG then the process will not work.

Note: failure of the uploading process is also influenced by the image and repository folder permissions . Make sure both folders (if using Linux) have access rights set to 777.

12.15 Setting up the email server

In Senayan3-stable15 there is a new feature for email alerts/claims to borrowers that have late returns. Use of this feature requires a Google Account/Gmail, because it will use the facilities of the gmail SMTP. The required settings are as shown below

```
/**
 * Mailing Settings
 */
$sysconf['mail']['enable'] = true;
$sysconf['mail']['server'] = 'ssl://smtp.gmail.com:465'; // SMTP server
$sysconf['mail']['server_port'] = 465; // the SMTP port
$sysconf['mail']['auth_enable'] = true; // enable SMTP authentication
$sysconf['mail']['auth_username'] = 'akun-gmail'; // SMTP account username
$sysconf['mail']['auth_password'] = 'password'; // SMTP account password
$sysconf['mail']['from'] = 'purwoko@mail.ugm.ac.id';
$sysconf['mail']['from_name'] = 'Pustakawan XXX';
$sysconf['mail']['reply_to'] = &$sysconf['mail']['from'];
$sysconf['mail']['reply_to_name'] = &$sysconf['mail']['from_name'];
```

Figure 12.23: Email settings in sysconfig.inc.php

The above setting is in the file sysconfig.inc.php. Or if you want, you can copy these settings to the Mailing settings in sysconfig.local.inc.php.

How do you use this? Use of this email feature is in the Circulation menu . When starting Circulation (member ID entered), if the member has overdue loans, then the display appears as follows:

12 Tips and Tricks

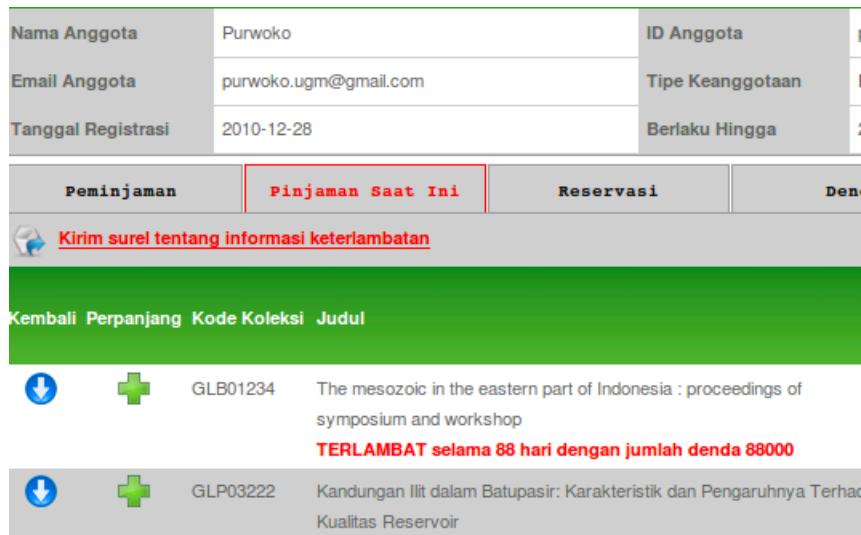


Figure 12.24: "Send emails" feature in Circulation

Send an email by clicking 'Send email about delay information "; if successful it will have the look/additional writing on it as shown below:

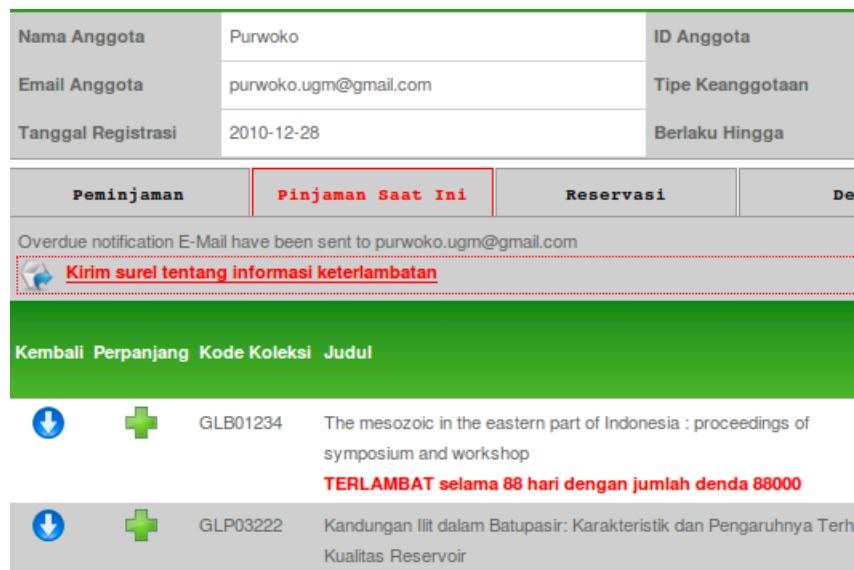


Figure 12.25: Email sent

12 Tips and Tricks

In addition to the Circulation Start menu , we can also use this feature to send an email via the "Late list", available both in the Circulation and Reporting Modules. To send an email, simply click the "Send Notification E-mail" on each member of your choice.

The screenshot shows two entries in a 'Late list' for sending notification emails:

bagus bayu saputra (37187)
Overdue notification E-Mail have been sent to bsbs43@ymail.com
E-mail: bsbs43@ymail.com - [Send Notification e-mail](#) - Nomor Telepon: 0878374
glb05342 Batuan dan Mineral
Harga: 0 Keterlambatan: 1 hari

Eva Mulyaningsih (36715)
E-mail: evacute_ksb@yahoo.co.id - [Send Notification e-mail](#) - Nomor Telepon: 0
glb04808 Kamus geologi
Harga: 0 Keterlambatan: 1 hari

Figure 12.26: Send email through late list

If the members of the library opened their email, it will be found that email was sent via the SLiMS system. Sample images are as follows:

The screenshot shows the inbox with the following list of emails:

<input type="checkbox"/>	SLIMS Administrator	Overdue Notice for Member Purwoko (purwoko.ugm@gmail.com) - This is notification e-mail to inform you that you have OVERDUED libran
<input type="checkbox"/>	azwar	[Blog JogjaLib.Net] Comment: "Cara Iain Install YAZ" - New commer Install YAZ" Author : azwar (IP: 114.79.9.223 ...
<input type="checkbox"/>	Purwoko	[Blog JogjaLib.Net] Comment: "E-DDC Edisi 22" - New comment on 'E-DDC Edisi 22" Author : Purwoko (IP: 125.163.235.155 , 155 ...

Figure 12.27: List of emails in Inbox

☆ SLIMS Administrator <tamanjiwa@gmail.com> Tue, Dec 28, 2010 at 2:49 PM
 Reply-To: SLIMS Administrator <purwoko@mail.ugm.ac.id>
 To: Purwoko <purwoko.ugm@gmail.com>

[Reply](#) | [Reply to all](#) | [Forward](#) | [Print](#) | [Delete](#) | [Show original](#)

To Purwoko (purwoko) This is notification e-mail to inform you that you have **OVERDUED** library loan, the overdued collection(s) are:

Title	Item Code	Loan Date	Due Date	Overdue
The mesozoic in the eastern part of Indonesia : proceedings of symposium and workshop	glb01234	2010-09-24	2010-10-01	88 days

Please return all overdued collections immediately to library. If you have any complaint regarding to this overdue notification, please contact our circulation desk.

Thank You.

2010-12-28 14:49:48
 Library Management

Figure 12.28: Display of received Email

12.16 Adding Captcha

Commencing with Senayan3-Stable15 (Matoa), there is an additional login security facility in the librarians and members login.

Captcha is twofold, for Librarian login and for Member Login. To enable captcha, it needs to be setup in sysconfig.inc.php file.

```
/**  

 * Captcha Settings  

 */  

// Captcha settings for Senayan Management Console (aka Librarian Login)  

$sysconf['captcha']['smc']['enable'] = false; // value can be 'true' or '  

$sysconf['captcha']['smc']['type'] = 'recaptcha'; // value can be 'recapt  

if ($sysconf['captcha']['smc']['enable']) {  

    include_once LIB_DIR.$sysconf['captcha']['smc']['type'].DIRECTORY_SEE  

}
```

Figure 12.29: Setting up Captcha for Librarian Login

```
// Captcha settings for Member Login
$sysconf['captcha']['member']['enable'] = false; // value can be
$sysconf['captcha']['member']['type'] = 'recaptcha'; // value car
if ($sysconf['captcha']['member']['enable']) {
    include_once LIB_DIR.$sysconf['captcha']['member']['type'].D
}
```

Figure 12.30: Setting Captcha for Member Login

To activate, simply changed false to true. So when login will find the display as follows:



Figure 12.31: Librarian Login Display with Captcha



Figure 12.32: Member Login Display with Captcha

12.17 Adding a Z.39.50 Server

Commencing with Senayan3-stable15 (Matoa), SLiMS users will find it easy if they want to add new z.39.50 destination. The requirements to use Z39.50 are that SLiMS is connected to the Internet, and that the required ports on the server are open, As you know, the earlier Z39.50 in SLiMS only connects to the American Library of Congress . How to add others?

1. Go to the site <http://irspy.indexdata.com/>, On this site you can find various addresses of libraries that provide Z39.50 servers to exchange data. Those addresses are in alphabetic order. The address that will be used is a combination of Host, Port and DB. For example, in the above web list there is the University of Abertay, Dundee , followed by the same online caption Host = catalogue.abertay.ac.uk , Port = 10790 and DB = Voyager. So the address settings we'll insert are: catalogue.abertay.ac.uk:10790/Voyager
2. Open sysconfig.local.inc.php file and add the following code:

```
$sysconf['z3950_max_result'] = 50;
$sysconf['z3950_source'][1] = array('uri' => 'z3950.loc.gov:7090/voyager', 'name' => 'Library of Congress Voyager');
```

The two lines of code above, you can obtain a with copy-paste from the file sysconfig.inc.php on lines 321 and 322. The first line is setting the number of records

displayed per page, while the second line is a Z39.50 server address setting.

3. After that, add a new line (below) which contains the identity of the new destination server Z39.50, So using the example in number 1 above (Library of Abertay University, Dundee)

```
$sysconf['z3950_source'][2] = array('uri' => 'catalogue.abertay.ac.uk:10790/Voyager',  
'name' => 'Abertay Dundee University');
```

4. Once done, Save the file and check in Bibliography - Z39.50 server.
5. Note: The port required by the Z39.50 server must be opened. For example, in the above example the port is 10790, For this section if you have difficulty, please contact the network administrator at your library.