

# 1 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:

## 1.1 “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.

<b>Save Settings</b>	
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 1.1: Senayan Global Configuration

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)

## 1.2 “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].



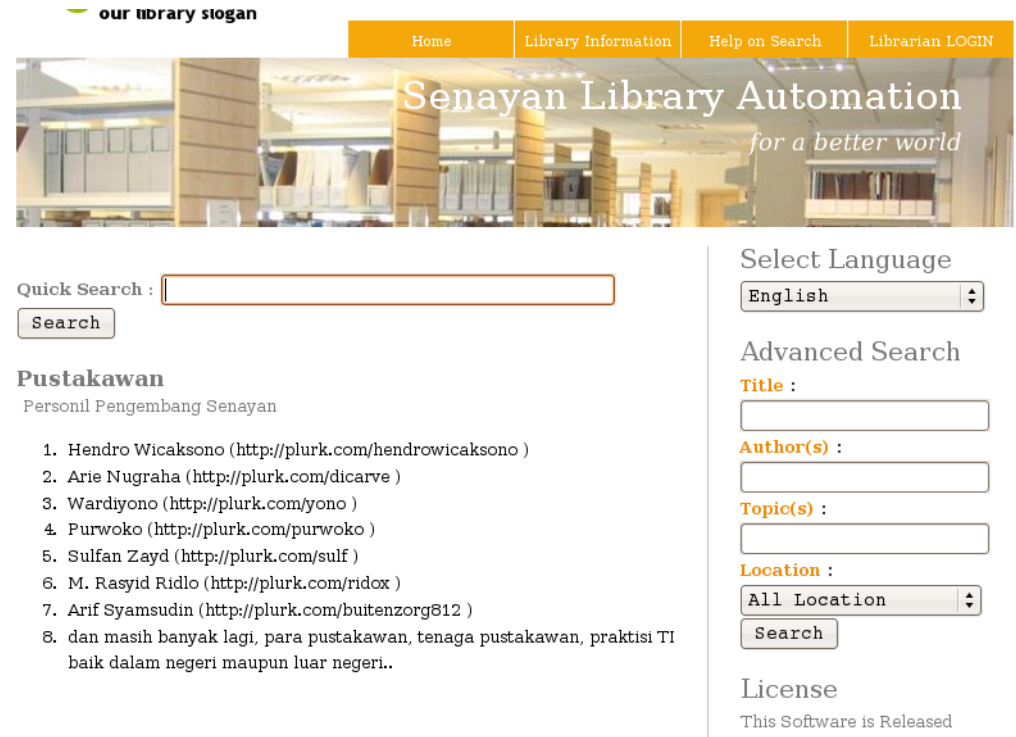


Figure 1.4: The appearance of the new content

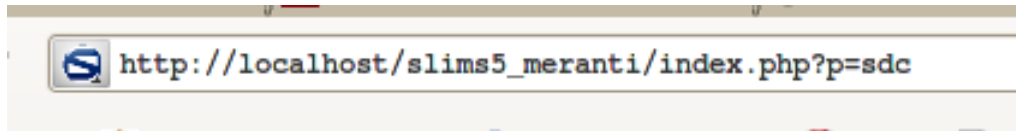


Figure 1.5: The URL to display the content

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/slims5\\_meranti/index.php?p=librarian](http://localhost/slims5_meranti/index.php?p=librarian)**

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

### 1.3 “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 .

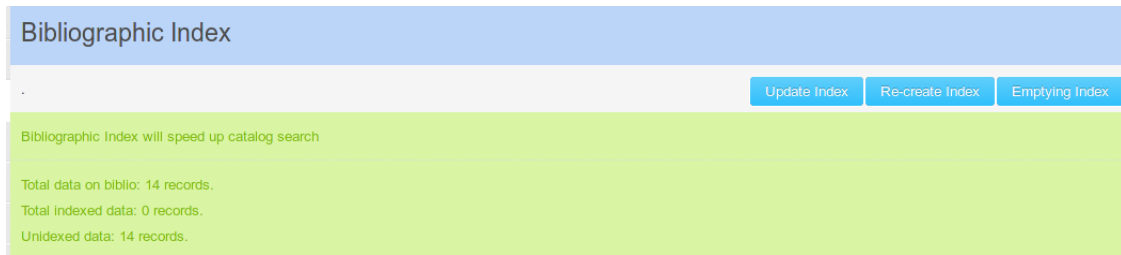


Figure 1.6: Bibliographic Index System Module

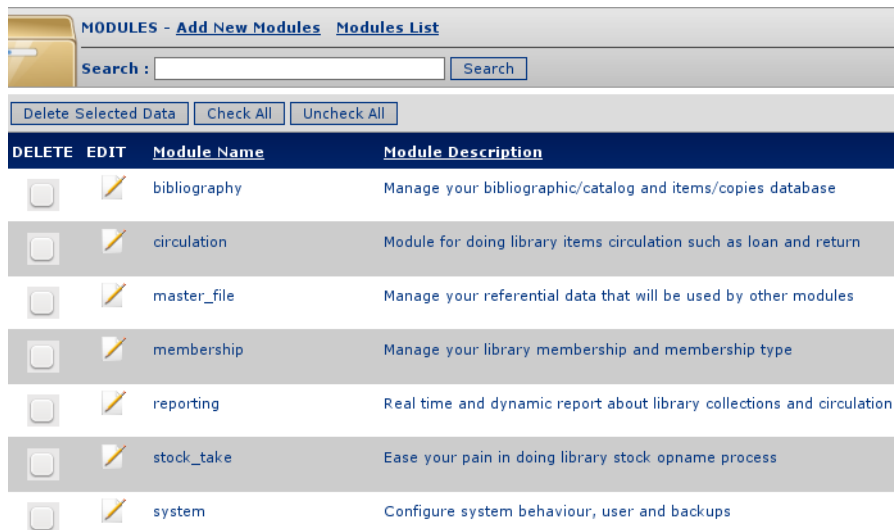
There are three functions in this menu:

- 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.

## 1.4 “Modules” Menu

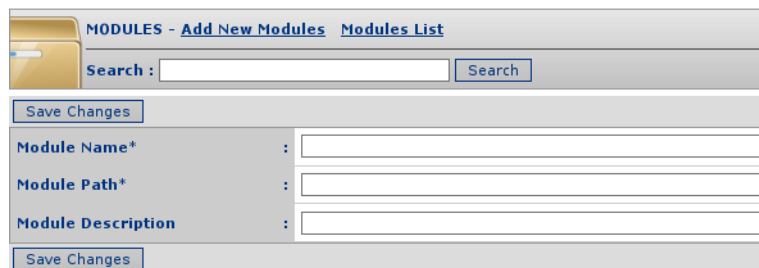
Provides the functions of Module List (listing existing modules), Search (search for a module), Edit and Delete Modules, and Add New Module (add a module).

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”.



DELETE	EDIT	Module Name	Module Description
<input type="checkbox"/>		bibliography	Manage your bibliographic/catalog and items/copies database
<input type="checkbox"/>		circulation	Module for doing library items circulation such as loan and return
<input type="checkbox"/>		master_file	Manage your referential data that will be used by other modules
<input type="checkbox"/>		membership	Manage your library membership and membership type
<input type="checkbox"/>		reporting	Real time and dynamic report about library collections and circulation
<input type="checkbox"/>		stock_take	Ease your pain in doing library stock opname process
<input type="checkbox"/>		system	Configure system behaviour, user and backups

Figure 1.7: Module List



Save Changes

Module Name\* :

Module Path\* :

Module Description :

Save Changes

Figure 1.8: Add New Module

## 1.5 “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.

Save

Login Username\* :

Real Name\* :

Group(s) : ☐ Pustakawan  
☐ Sirkulasi

New Password\* :

Confirm New Password\* :

Save

Figure 1.9: Add User

## 1.6 “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.

USER GROUP - [Add New Group](#) [Group List](#)

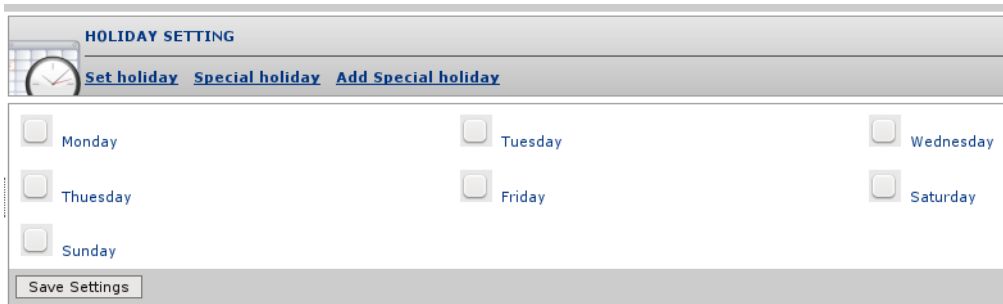
Search :

DELETE	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 1.10: Example of Senayan groups

## 1.7 “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).



**HOLIDAY SETTING**

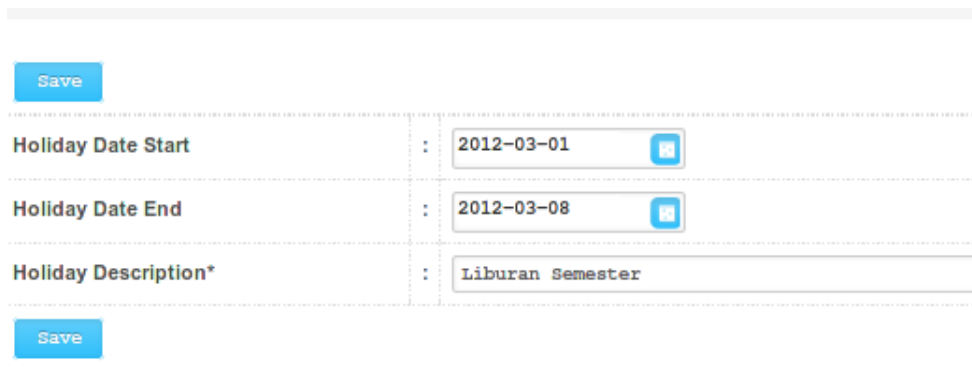
[Set holiday](#) [Special holiday](#) [Add Special holiday](#)

☐ Monday ☐ Tuesday ☐ Wednesday

☐ Thursday ☐ Friday ☐ Saturday

☐ Sunday

Figure 1.11: Set Holiday



**Holiday Date Start** : 2012-03-01

**Holiday Date End** : 2012-03-08

**Holiday Description\*** : Liburan Semester

Figure 1.12: Add Special Holiday

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).

## 1.8 “Barcode Generator” Menu

A facility to create barcodes.



Barcode Size : **Medium**

<b>B100</b>	<b>B564</b>
<b>B102</b>	<b>B203</b>
<b>B900</b>	

**Generate Barcodes**

Figure 1.13: Form for creating barcode(s)



Figure 1.14: Resulting barcodes from Barcode Generator

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, in HTML 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:

## 1 System

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

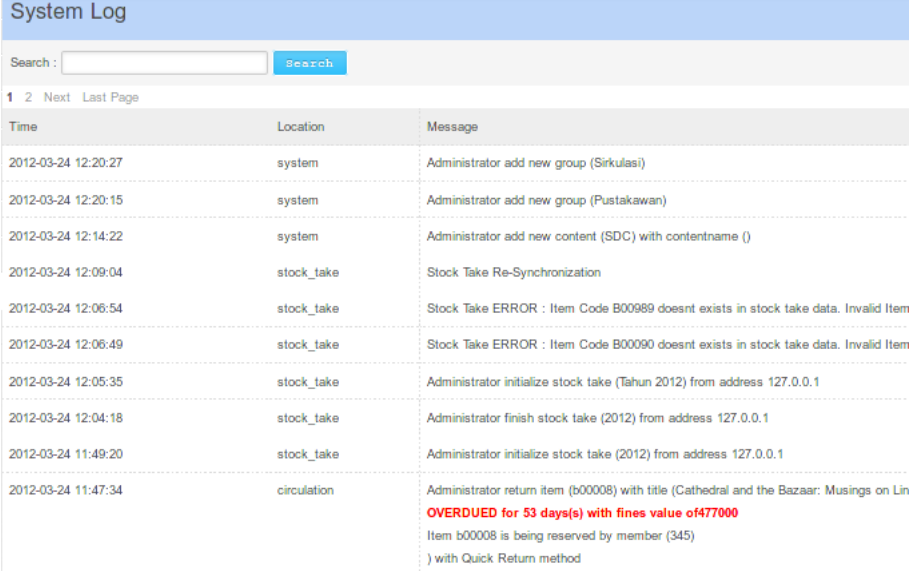
Change the value of type 128B to the encoding you want. Make sure the images directory is writable by the web server.

Note:

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

### 1.9 “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.



The screenshot shows a web interface titled "System Log". It features a search bar with a "Search" button. Below the search bar is a pagination control showing "1 2 Next Last Page". The main content is a table with three columns: "Time", "Location", and "Message". The table contains ten rows of log entries. The last row shows a message about an overdue item with a red warning text: "OVERDUE for 53 days(s) with fines value of 477000".

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 <b>OVERDUE for 53 days(s) with fines value of 477000</b> Item b00008 is being reserved by member (345) ) with Quick Return method

Figure 1.15: 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.

## 1.10 “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*