WORKSHOP
2022

eprints
repository software

STRATEGI PENGEMBANGAN

REPOSITORI INSTITUSI

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Glen S.Kom

AGENDA

1. *Strategi & Implementasi*
2. *Instalasi Eprints*
3. *Pengaturan Subjek & Struktur*
4. *Pengolahan Dokumen*

INSTITUTIONAL REPOSITORIES

*"An institutional repository is for **collecting, managing, preserving and disseminating** scholarly works created in digital assets, intellectual output, and histories by academic members in universities and colleges"*

(Prabhakar & Rani, 2018)

Dapat disimpulkan konsep dari sebuah repositori digunakan untuk mengumpulkan, mengelola, merawat dan menyebarluaskan hasil karya digital baik itu karya intelektual maupun sejarah yang dibuat oleh akademik member.

PENTINGYA SEBUAH REPOSITORI INSTITUSI

Nilai Institusi

Meningkatkan nilai institusi dengan kekayaan nilai intelektual.

Sentralisasi karya

Mengumpulkan, mengelola, dan melestarikan secara terpusat hasil karya akademik.

Hak Cipta

Melindungi hak intelektual karya akademik, menghindari duplikasi penelitian

Visibilitas

Keterbukaan terhadap hasil intelektual institusi

Aksesibilitas

Penyebaran informasi yang dapat digunakan oleh akademik dan masyarakat, berdampak pada peningkatan sitasi.

Promosi

Dapat meningkatkan nilai intelektual institusi dan berbagai pemeringkatan

TANTANGAN REPOSITORI INSTITUSI

Masalah Hak Cipta

Terjadinya duplikasi publikasi pada penelitian maupun karya lainnya.

Minimnya kompetensi SDM

Kurangnya kompetensi dan peran staf tentang IR

Biaya

Penyimpanan , pengembangan & pelatihan kompetensi SDM

Dasar Pembangunan Repositori Institusi

- Kepmendiknas **No. 17 Tahun 2010** tentang Pencegahan dan Penanggulangan Plagiat di Perguruan Tinggi.
- Surat Edaran Dirjen **DIKTI No. 2050/E/T/2011** perihal kebijakan Unggah Karya Ilmiah dan Jurnal.
- Surat Edaran Dirjen **DIKTI No. 152/E/T/2012** tentang Publikasi Karya Ilmiah (S1, S2, dan S3)
- Surat Edaran **Dikti No. 1864/E4/2015** perihal Penilaian Angka Kredit Dosen dapat ditelusur secara online.
- Surat Edaran **DIKTI No. 1753/D2/KP/2016** tentang Pengecekan Karya Ilmiah Usulan Kenaikan Jenjang Jabatan Akademik/Pangkat Dosen.
- Surat Edaran **DIKTI No. B/565/B.B1/HK.01.01/2019** perihal Sarana Publikasi Ilmiah Mahasiswa.
- **Undang-Undang Nomor 13 Tahun 2018** tentang Tentang Serah Simpan Karya Cetak Dan Karya Rekam

Prinsip Sebuah Repositori

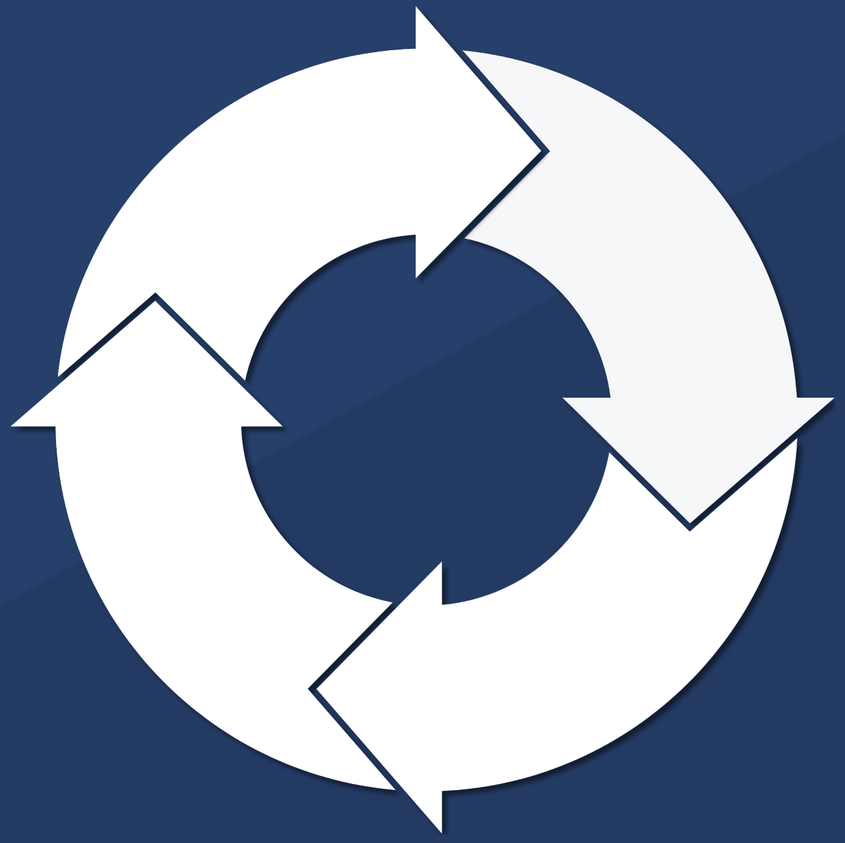
- Memiliki kendali terhadap distribusi dokumen
- Inklusivitas dan keragaman sebuah dokumen.
- Akses publik
- Keterbukaan dan aksesibilitas
- Sustainability / keberlanjutan
- Interoperabilitas

http://ngr.coar-repositories.org/principles/

TAHAP PENGEMBANGAN REPOSITORI INSTITUSI

PERENCANAAN

PERSIAPAN



EVALUASI

IMPLEMENTASI

KEY PEOPLE

Top Management

Producing policy, overseing process, feedbacks.

Academic members

Created intellectual asset

Librarian

Managing, collecting, preserving, and disemination document

IT Dev

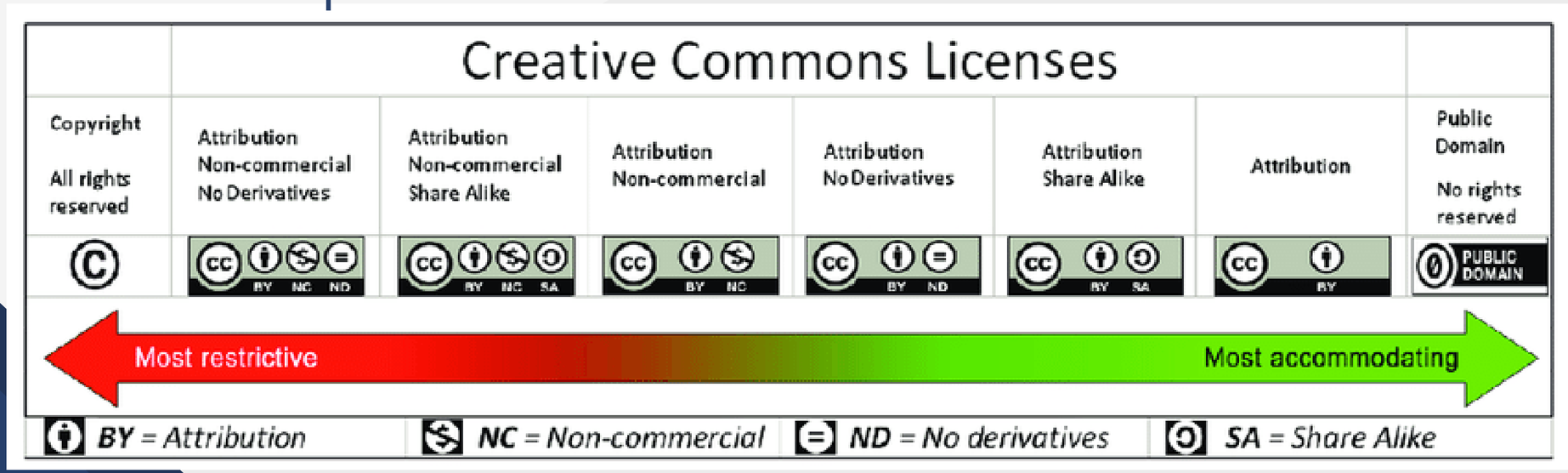
support and develop IR infrastructure

PERENCANAAN

1. SDM
    a. Pustakawan
    b. Dukungan IT
2. Konten
    a. Karya Tugas Akhir
    b. Prosiding/Konferensi

PERSIAPAN

1. Kebijakan
    a. Serah Simpan Karya Cetak dan Karya Rekam
    b. Akses terbuka karya ilmiah
    c. Unggah mandiri
2. Lisensi Hak Cipta



https://creativecommons.org/licenses/

IMPLEMENTASI

1. Infrastruktur
    a. *Software* - aplikasi pengolahan pendukung repositori.
    b. *Hardware* - perangkat pendukung berjalannya repositori.

Software

WHY eprints repository software ?

- Open Sources Software
- Banyak fitur pendukung
- Menelusur sampai dalam (Fulltext indexing)
- Interopability Support Menggunakan OAI (Open Archives Initiative) dan memiliki standar pertukaran data (oai_dc, JSON, mets,marcxml, etc)
- Subject menggunakan standar LCCO dan Customize.
- Export Berbagai Type Data
- Customization Metadata Set

Perbandingan Jumlah Pengguna Aplikasi Eprint, Dspace, dan GDL Vesrsi Webometrics di Indonesia

No.	Aplikasi/Software	Jumlah Pengguna	%
1	Eprints	34	57%
2	Dspace	8	13%
3	GDL	1	0,4%
4	Institutional Development	10	17%

Sumber: (Rodliyah, 2018)

Repository	Subject	OAI-PMH	API Additional (Format)	oai tag <dc:type>	Customization metadata set
eprints www.eprints.org	LCCO, custom,etc	oai_dc, mets, object,etc	export json,text,etc (public)	✓	✓
DSPACE	custom	oai_dc, mets, etc	REST API	✓	✓
SLiMS	custom	oai_dc	✗	✗	✗
setiadi	custom	oai_dc	✗	✗	✗

Hardware

Skenario 1 : Bila akan membangun repositori institusi secara sederhana.

Server : Shared hosting

Disk space : 10 GB

Domain : .ac.id

Bandwith : Tanpa Kuota

Client : Core 2 duo

Rp 600.000,-/ Tahun

Kelebihan :
1. Tersedia IT Support.
2. Langsung dapat dipakai, tanpa instalasi.

Kekurangan :
- Server dikuasai penuh oleh penyedia layanan.

Skenario 2 : Bila akan membangun repositori institusi secara baik.

Server : Dedicated (XEON)

Disk space : 1 TB

Domain : .ac.id

Bandwith : IIX & International

Client : Core i 5 (FO)

Rp 50 – 100an Juta

Kelebihan :
1. Server dapat menyesuaikan dengan kebutuhan.
2. Penyimpanan terjamin (karena dikelola sendiri)

Kekurangan :
- Anggaran butuh dana besar dan Maintenance butuh SDM memadai

Sumber: (Saputra, 2016)

EVALUASI

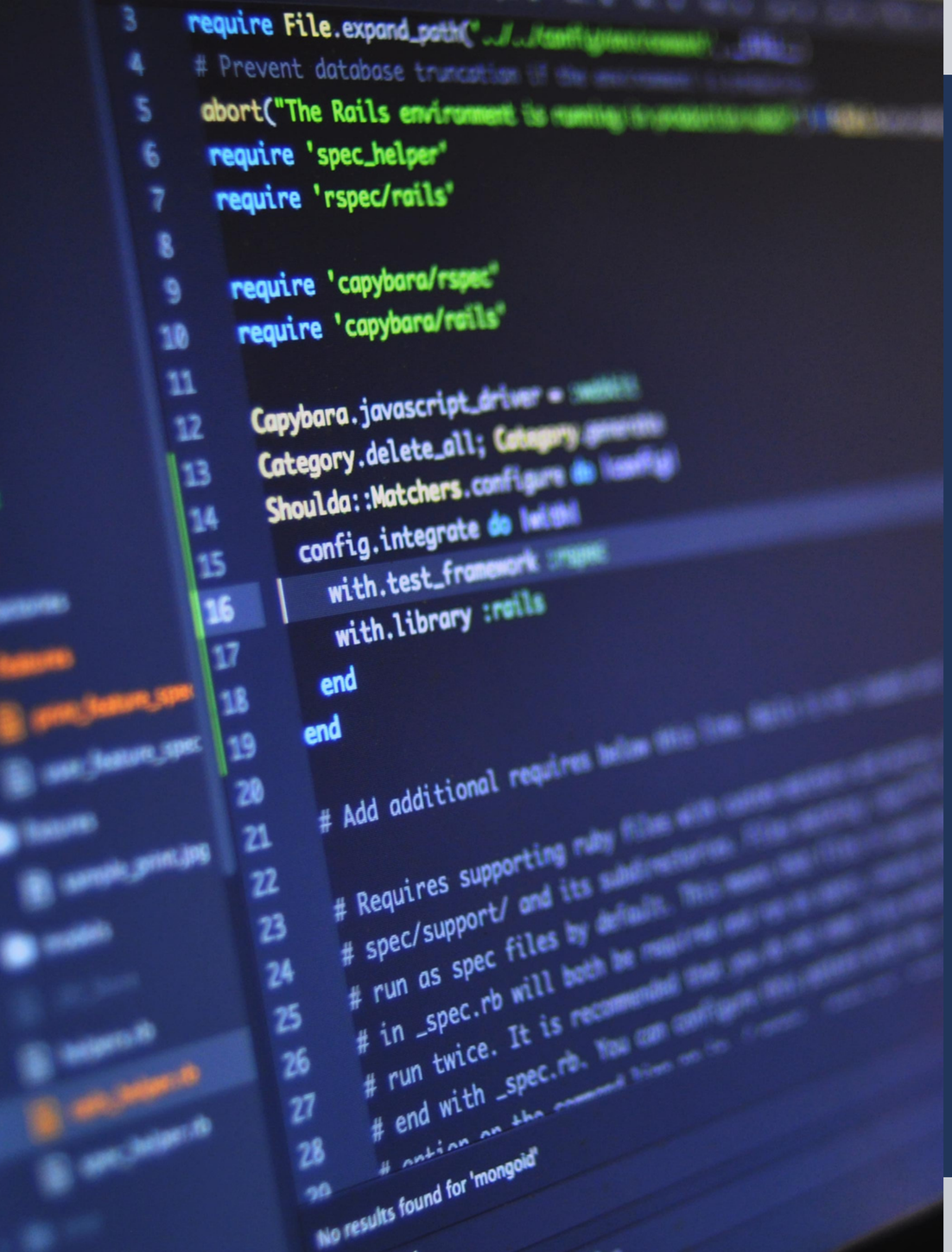
1. Memperkaya dokumen Repositori
2. Penguatan Infrastruktur
3. Diseminasi Informasi
   a. Open DOAR
   b. ROAR
   c. RAMA Repository
4. Optimalisasi Sistem
   a. Penambahan plugin
   b. Menggunakan tema

UMN
UNIVERSITAS
MULTIMEDIA
NUSANTARA

Knowledge Center UMN

open access
bachelor thesis & internship
document

please visit url:
https://kc.umn.ac.id



INSTALLING EPRINTS USING DOCKER

Software needs:

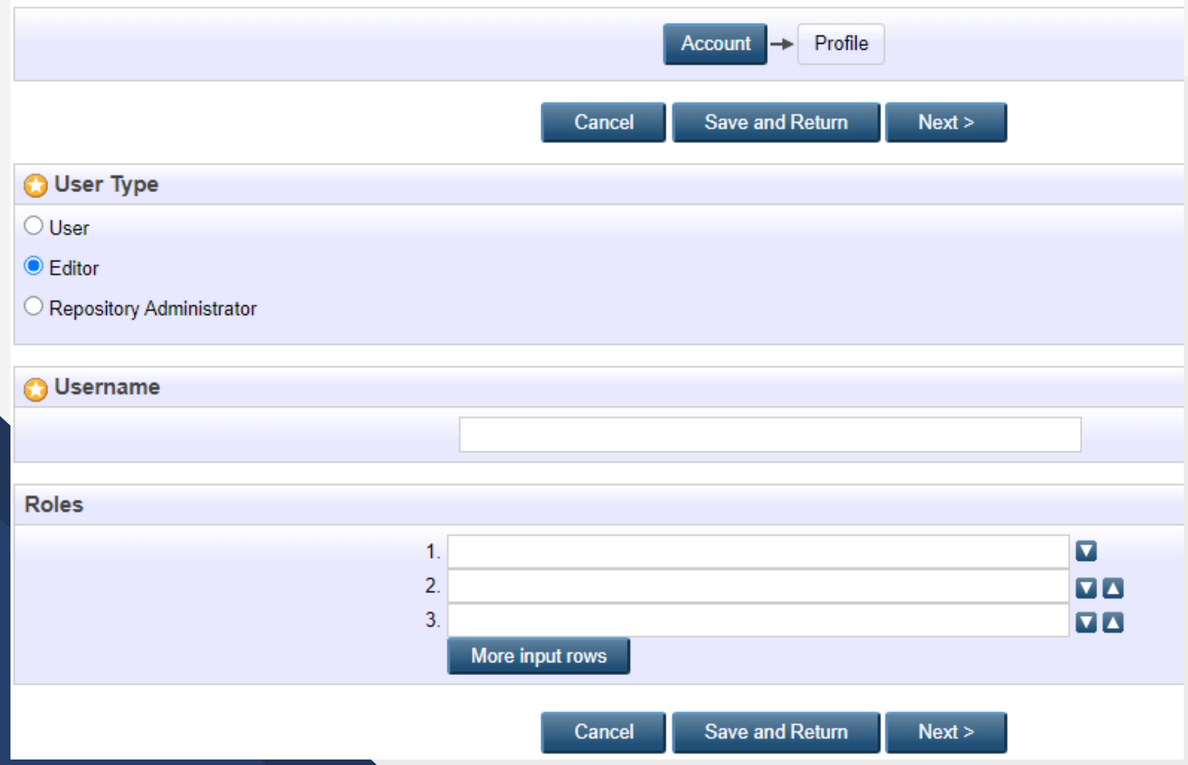
- Docker Desktop for Windows
- Windows Subsystem Linux (WSL)
- Eprints Software

System Requirement:

- Windows 10 64-bit / Windows 11 64-bit
- Support/Enable the WSL 2 feature
- 4GB system RAM
- Min 10GB Storage

Source: https://wiki.eprints.org/w/Installing_EPrints_using_Docker

USER TYPE EPRINTS



Hak Akses:

1. **User**
    a. Deposit dokumen
2. **Editor**
    a. Review dokumen
    b. Merubah status dokumen
3. **Repository Administrator**
    a. Seluruh fasilitas ada
    b. Kontrol Konfigurasi Eprints

PENGATURAN SUBJECT & STRUKTUR

DEFAULT SUBJECT & DIVISION

Browse by Subject

Please select a value to browse from the list below.

- Library of Congress Subject Areas (100)
  - A General Works (8)
    - AC Collections. Series. Collected works (1)
    - AI Indexes (General) (1)
    - AM Museums (General). Collectors and collecting (General) (2)
    - AS Academies and learned societies (General) (3)
    - AZ History of Scholarship The Humanities (1)
  - B Philosophy. Psychology. Religion (14)
    - B Philosophy (General) (1)
    - BC Logic (1)
    - BF Psychology (1)
    - BH Aesthetics (1)
    - BL Religion (1)
    - BM Judaism (1)
    - BR Christianity (1)
    - BS The Bible (2)
    - BT Doctrinal Theology (1)
    - BV Practical Theology (2)
      - BV1460 Religious Education (1)
    - BX Christian Denominations (3)
  - C Auxiliary Sciences of History (18)
    - CB History of civilization (5)
    - CE Technical chronology. Calendar (5)
    - CJ Numismatics (2)
    - CR Heraldry (2)
    - CS Genealogy (3)
    - CT Biography (2)
  - D History General and Old World (36)
    - D History (General) (17)
      - D051 Ancient History (3)
      - D111 Medieval History (1)

Browse by Division and Year

Please select a value to browse from the list below.

- University Structure (1)
  - Faculty of Engineering, Science and Mathematics (1)
    - School of Mathematics (1)

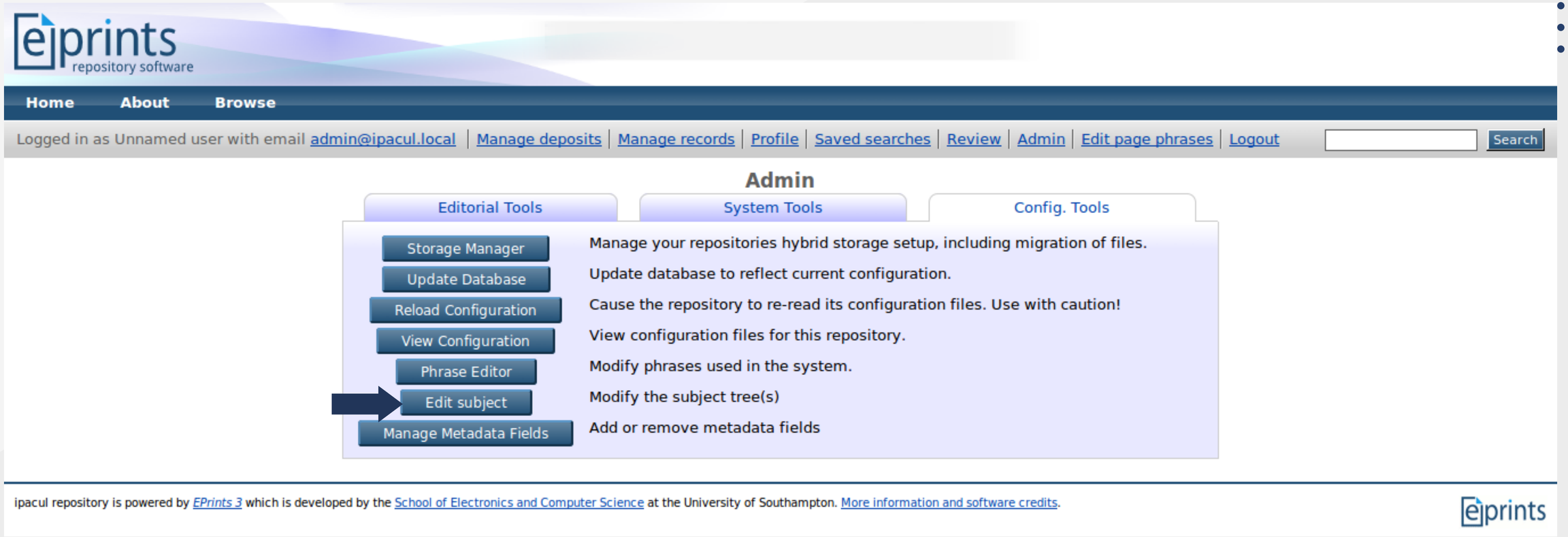
SUBJECT EPRINTS

Secara default eprints subjek yang digunakan adalah **LCCO**, akan tetapi dapat dilakukan customize ke **DDC**

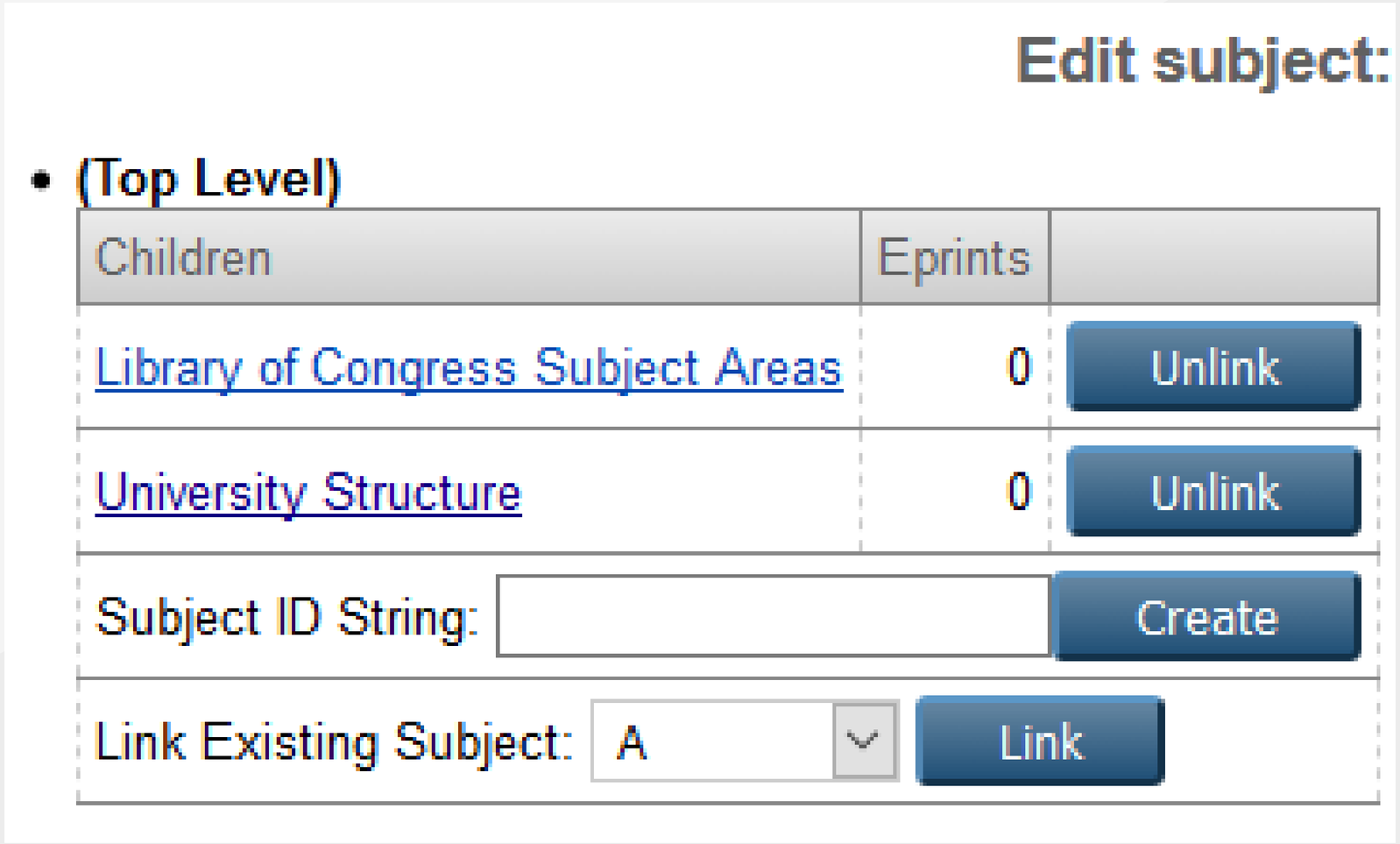
- A General Works
- B Philosophy. Psychology. Religion
- C Auxiliary Sciences of History
- D History General and Old World
- E History America
- F History United States, Canada, Latin America
- G Geography. Anthropology. Recreation
- H Social Sciences
- J Political Science
- K Law
- L Education
- M Music and Books on Music
- N Fine Arts
- P Language and Literature
- Q Science
- R Medicine
- S Agriculture
- T Technology
- U Military Science
- V Naval Science
- Z Bibliography. Library Science. Information Resources

- Add 000 Computer Science, Information and General Works
- Add 100 Philosophy and Psychology
- Add 200 Religion
- Add 300 Social Sciences
- Add 400 Language
- Add 500 Science and Mathematic
- Add 600 Technology (Applied Sciences)
- Add 700 Arts and Recreation
- Add 800 Literature
- Add 900 History and Geography

LOGIN SEBAGAI ADMIN

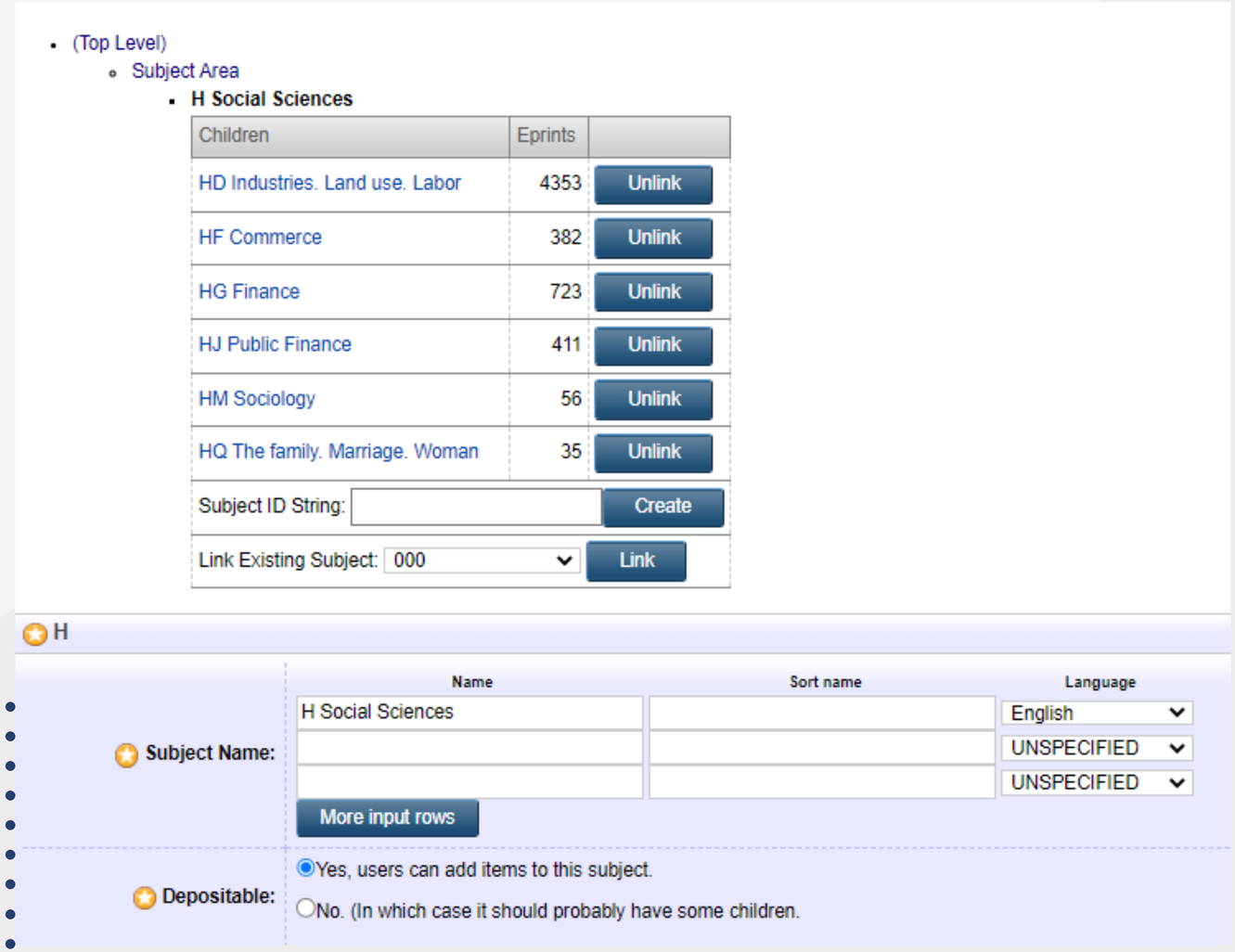


MENU EDIT SUBJECT



- **Subject**
- **University Structure**

ADD/EDIT SUBJECT LCCO

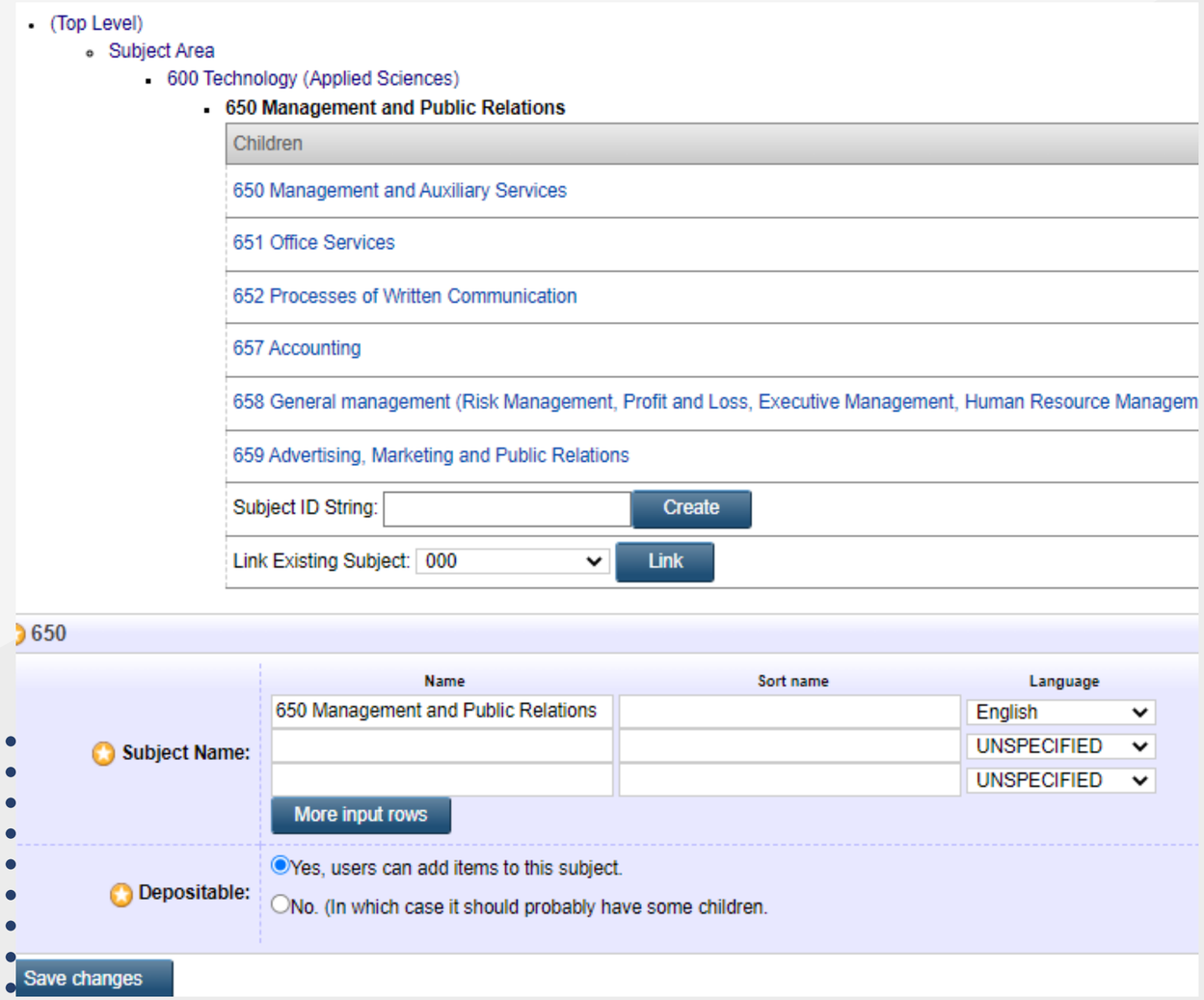


CATATAN :

- **Subject Name** : berisi nama yang akan tampil di bagian
- **Divisions**
- **Depositable** : konfirmasi apakah depositor boleh memilih subject ini atau tidak.
  - Untuk **top level** sebaiknya pilih yang **No**.
  - Sedangkan untuk sub level, bisa dipilih **Yes** atau **No**, dilihat dari subyeknya.
- **Subject** dapat ditambahkan sesuai aturan

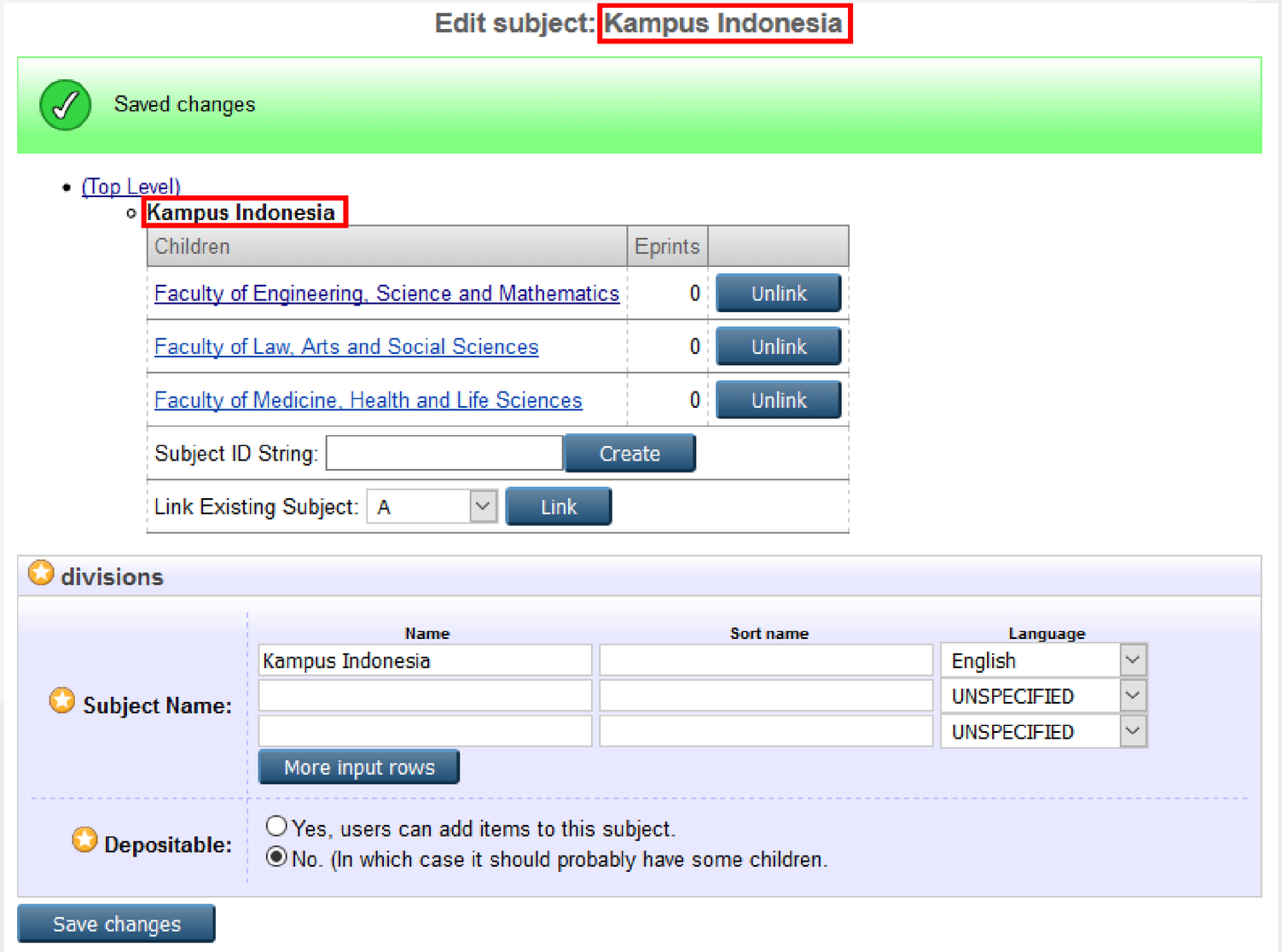
https://www.loc.gov/catdir/cpso/lcco/

ADD/EDIT SUBJECT DDC



- **Subject DDC** dapat disesuaikan dengan kebutuhan awal, tergantung pada pengelola.

EDIT UNIVERSITY STRUCTURE



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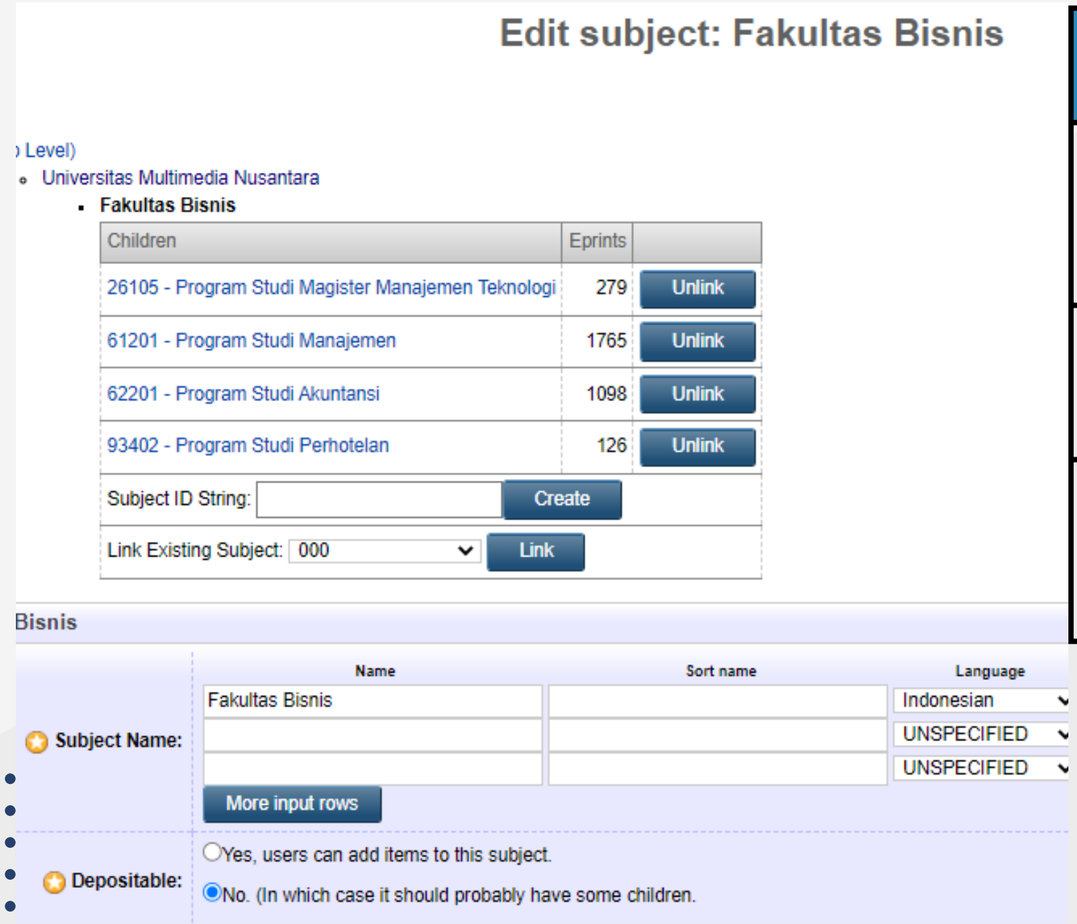


Subject ID String		Subject Name	Depositable
Fak_Bisnis		Fakultas Bisnis	*Yes / No
	Prodi_Man	[kode prodi] Program Studi Manajemen	Yes
	Prodi_Akun	[kode prodi] Program Studi Akuntansi	Yes

*Kode Program Studi dapat dilihat pada halaman: https://pddikti.kemdikbud.go.id/

SUBJECT & UNIVERSITY STRUCTURE

Browse by Subject

Please select a value to browse from the list below.

- Subject Area (17228)
  - 000 Computer Science, Information and General Works (1207)
    - 000 Computer Science, Knowledge and Systems (945)
      - 000 Computer Science, Information and General Works (96)
      - 001 Knowledge (19)
        - 001.4 Research (4)
      - 002 The book (writing, libraries, and book-related topics) (24)
      - 003 Systems (Computer Modeling and Simulation) (72)
      - 004 Computer Science, Data Processing, Hardware (224)
        - 004.1 General works, supercomputers, processors, laptop, personal computer (1)
        - 004.2 Systems Analysis and Design, Information Architecture, Performance Evaluation (32)
        - 004.6 Internet, Cloud Computing, Website, LAN, Email (27)
      - 005 Computer Programming (443)
        - 005.1 Programming, Programming Language (19)
        - 005.2 Programming for Specific Computers, Algorithm, HTML, PHP, java, C++ (51)
        - 005.3 Programs (1)
        - 005.4 System Programming, Operating System, Computer Interface (23)
        - 005.5 Applications / Software (Incl. Microsoft Office, presentation software, PDF reader) (87)
        - 005.8 Computer Security, Data Security (2)
      - 006 Special Computer Methods (3D Graphics, Digital Video, Data Mining, Augmented Reality) (181)
        - 006.3 Artificial Intelligence, Machine Learning (4)
        - 006.7 Multimedia Systems, Blogs, Social Media (19)
    - 010 Bibliographies (2)
      - 010 Bibliography (1)
      - 011 Bibliographies (1)
    - 020 Library and Information Sciences (44)
      - 020 Library and information sciences (11)
      - 021 Library relationships (with archives, information centers, etc.) (2)
      - 023 Personnel Management (2)
      - 025 Library operations (3)

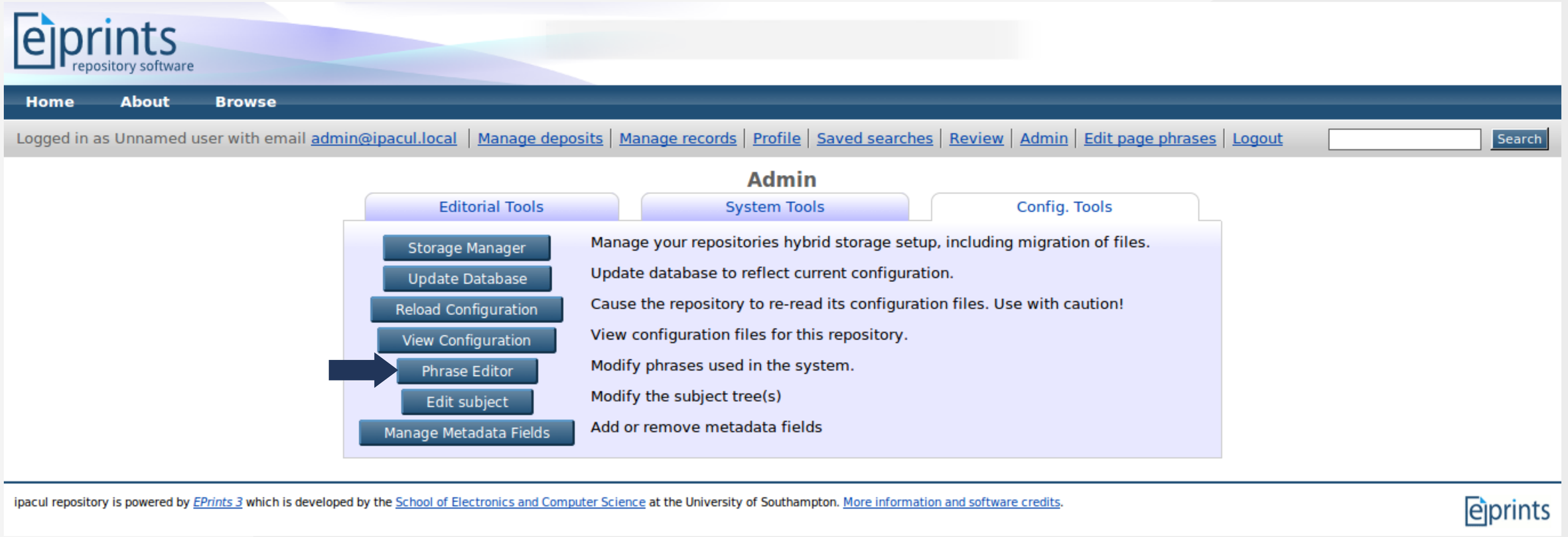
Browse by Division and Year

Please select a value to browse from the list below.

- Universitas Multimedia Nusantara (17570)
  - Fakultas Bisnis (3240)
    - 26105 - Program Studi Magister Manajemen Teknologi (278)
    - 61201 - Program Studi Manajemen (1747)
    - 62201 - Program Studi Akuntansi (1089)
    - 93402 - Program Studi Perhotelan (126)
  - Fakultas Ilmu Komunikasi (5292)
    - 70201 - Program Studi Ilmu Komunikasi (3343)
    - 70202 - Program Studi Jurnalistik (1949)
  - Fakultas Seni dan Desain (5493)
    - 23201 - Program Studi Arsitektur (170)
    - 90241 - Program Studi Desain Komunikasi Visual (3944)
    - 91362 - Program Studi Film (1379)
  - Fakultas Teknik Informatika (3328)
    - 20201 - Program Studi Teknik Elektro (63)
    - 30201 - Program Studi Teknik Fisika (108)
    - 55201 - Program Studi Informatika (1866)
    - 56201 - Program Studi Teknik Komputer (223)
    - 57201 - Program Studi Sistem Informasi (1068)

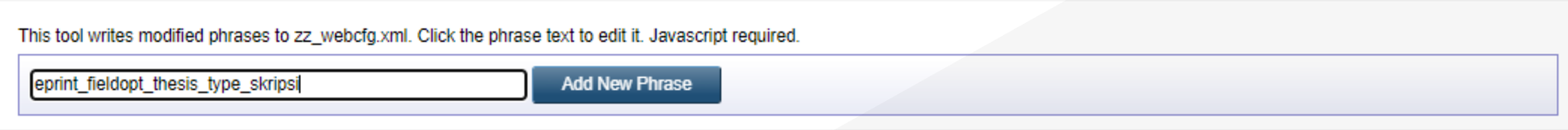
PENAMBAHAN & STANDARISASI DOKUMEN

LOGIN ADMIN

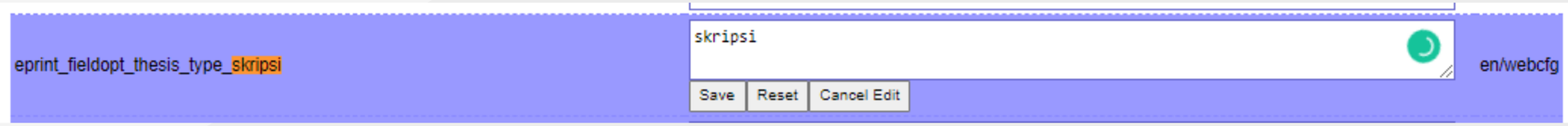

eprints
repository software
Home
About
Browse
Logged in as Unnamed user with email admin@ipacul.local | Manage deposits | Manage records | Profile | Saved searches | Review | Admin | Edit page phrases | Logout
Search
Admin
Editorial Tools
System Tools
Config. Tools
Storage Manager
Manage your repositories hybrid storage setup, including migration of files.
Update Database
Update database to reflect current configuration.
Reload Configuration
Cause the repository to re-read its configuration files. Use with caution!
View Configuration
View configuration files for this repository.
Phrase Editor
Modify phrases used in the system.
Edit subject
Modify the subject tree(s)
Manage Metadata Fields
Add or remove metadata fields
ipacul repository is powered by EPrints 3 which is developed by the School of Electronics and Computer Science at the University of Southampton. More information and software credits.
eprints

PHRASE EDITOR

- Kemudian tambahkan **“eprint_fieldopt_thesis_type_skripsi”** pada kolom **add phrase**



- Setelah berhasil menambah phrase kemudian ganti pada tabel content dengan nama “**Skripsi**”



VIEW CONFIGURATION

- Masuk menu admin -> "**Config .tools"** dan pilih menu “**View Configuration**”
- Pilih **cfg.id** -> **eprints_field.pl** dan masuk kehalaman config field “**eprints_field.pl**”, setelah itu klik “**edit Config file**”.
- Setelah masuk kehalaman edit config file tambahkan tulisan “**skripsi**” dibawah tulisan “Other” lalu save.

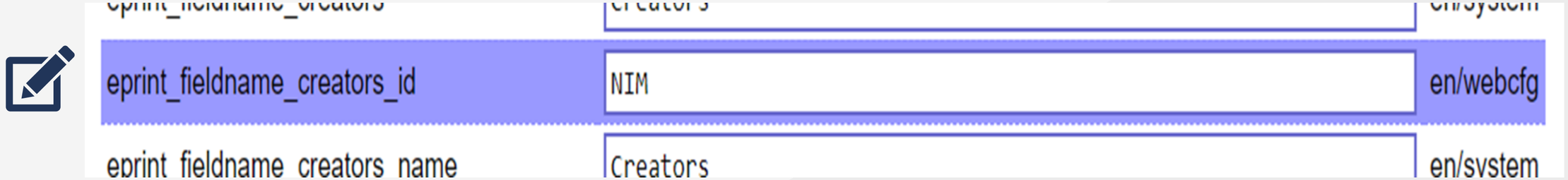
- Kemudian klik “Reload Configuration”.

STANDARISASI RAMA REPOSITORY

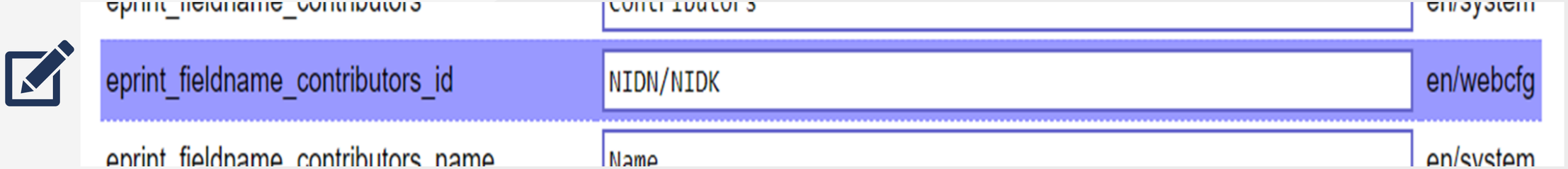
https://rama.kemdikbud.go.id/

EDIT PAGE PHRASE

- Masuk ke menu "Edit Page Phrase"
- Eprint_fieldname_creators_id menjadi NIM

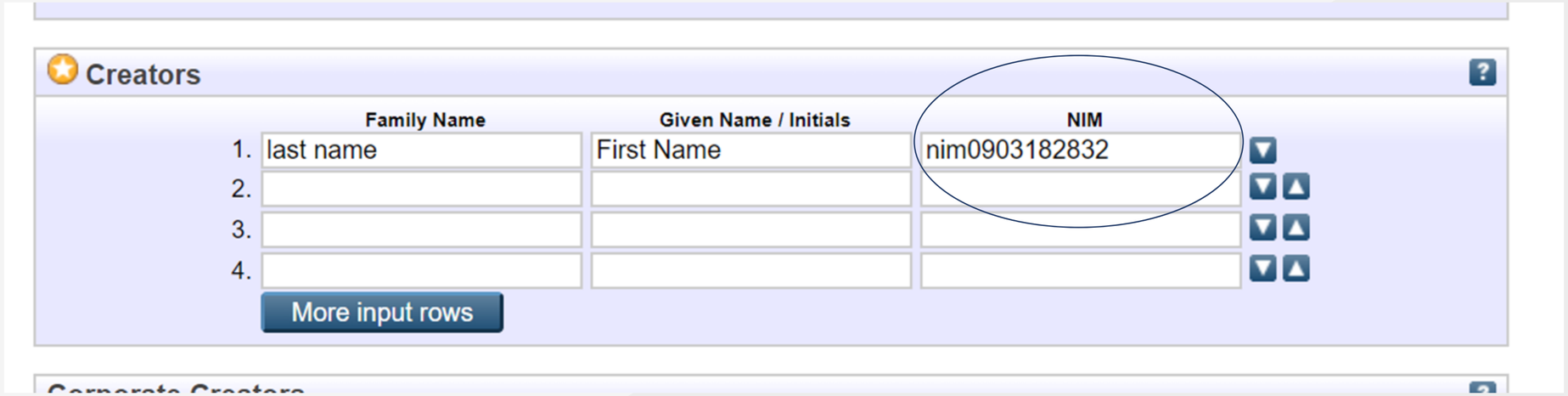


- Eprint_fieldname_contributors_id menjadi NIDN

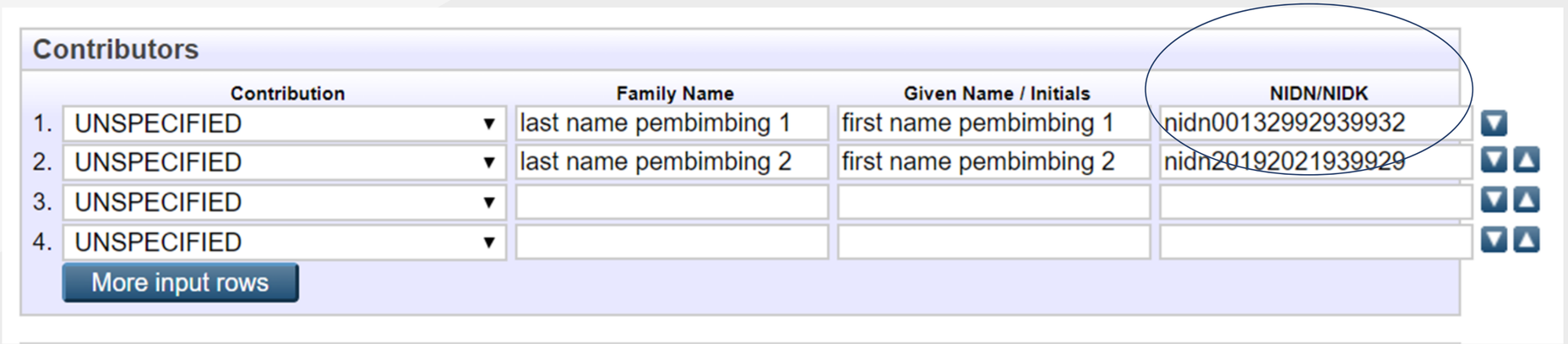


CEK PERUBAHAN

- Perubahan field menjadi NIM

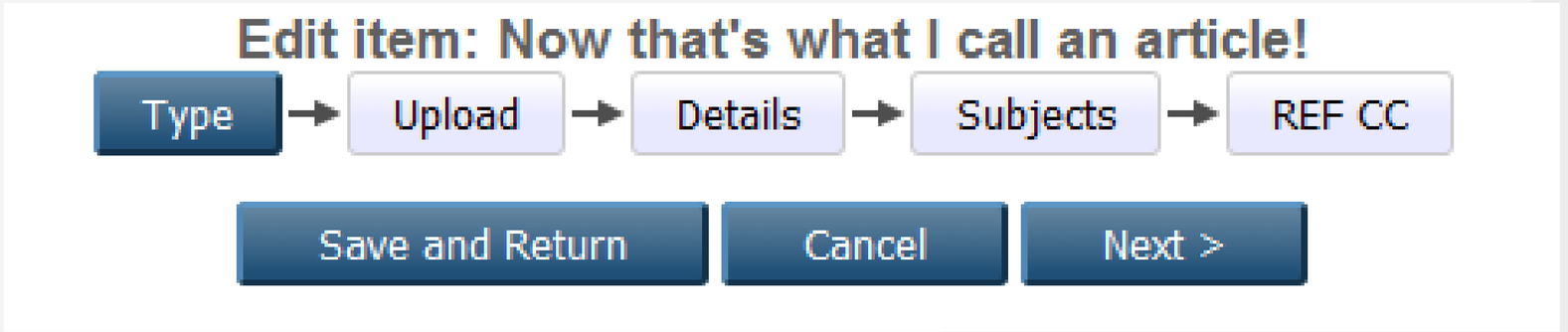


- Perubahan field menjadi NIDN



PENGOLAHAN DOKUMEN

EPRINTS WORKFLOW



TYPE

Menentukan tipe item dokumen yang akan dimasukkan ke dalam repositori

UPLOAD

Mengupload (unggah) file(s) dokumen ke dalam repositori

DETAILS

Melengkapi metadata dokumen digital

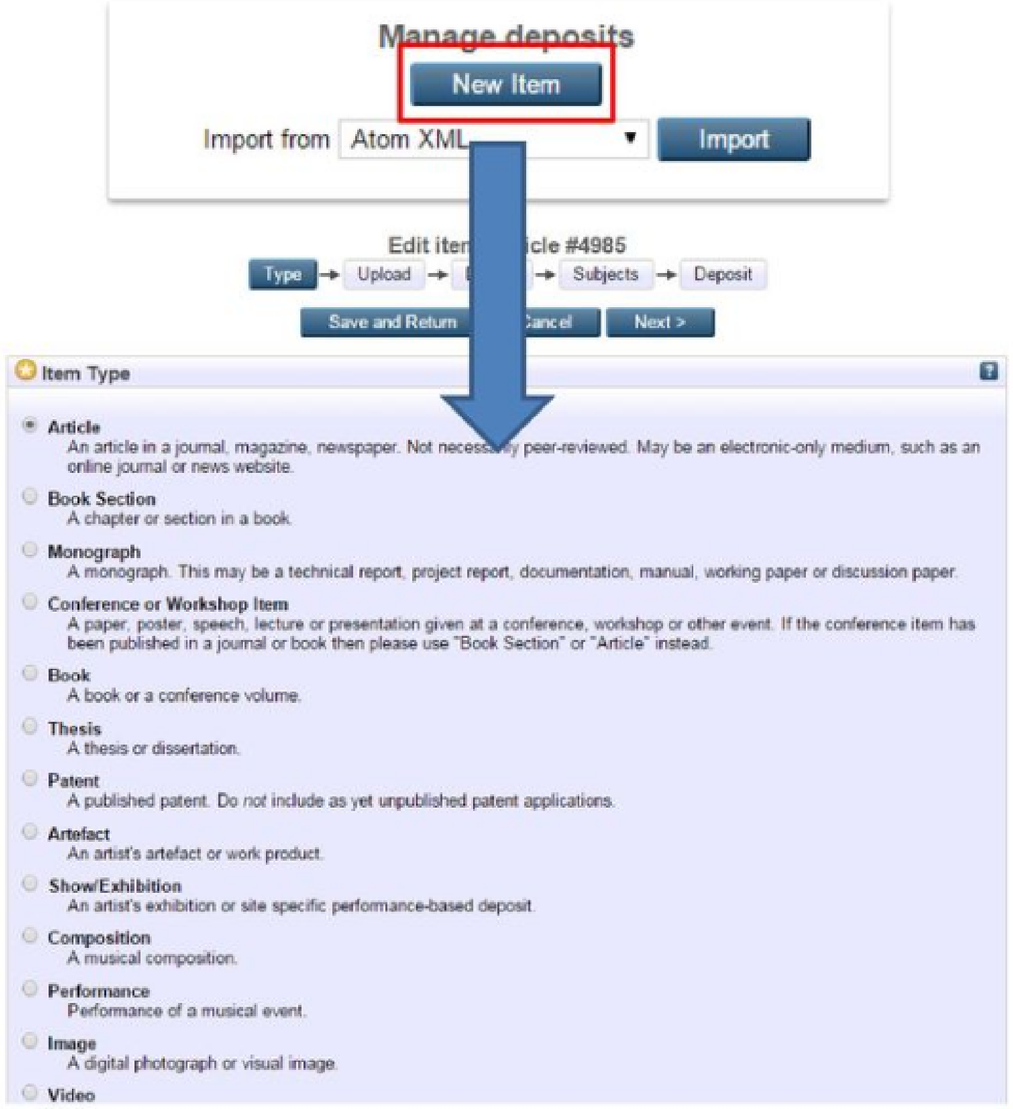
SUBJECTS

Menentukan subjek item

DEPOSIT

Melakukan deposit item ke dalam repository

ITEM TYPE


Manage deposits
New Item
Import from
Atom XML
Import
Edit iter
icle #4985
Type
Upload
Subjects
Deposit
Save and Return
Cancel
Next >
Item Type
Article
An article in a journal, magazine, newspaper. Not necessarily peer-reviewed. May be an electronic-only medium, such as an online journal or news website.
Book Section
A chapter or section in a book.
Monograph
A monograph. This may be a technical report, project report, documentation, manual, working paper or discussion paper.
Conference or Workshop Item
A paper, poster, speech, lecture or presentation given at a conference, workshop or other event. If the conference item has been published in a journal or book then please use "Book Section" or "Article" instead.
Book
A book or a conference volume.
Thesis
A thesis or dissertation.
Patent
A published patent. Do not include as yet unpublished patent applications.
Artefact
An artist's artefact or work product.
Show/Exhibition
An artist's exhibition or site specific performance-based deposit.
Composition
A musical composition.
Performance
Performance of a musical event.
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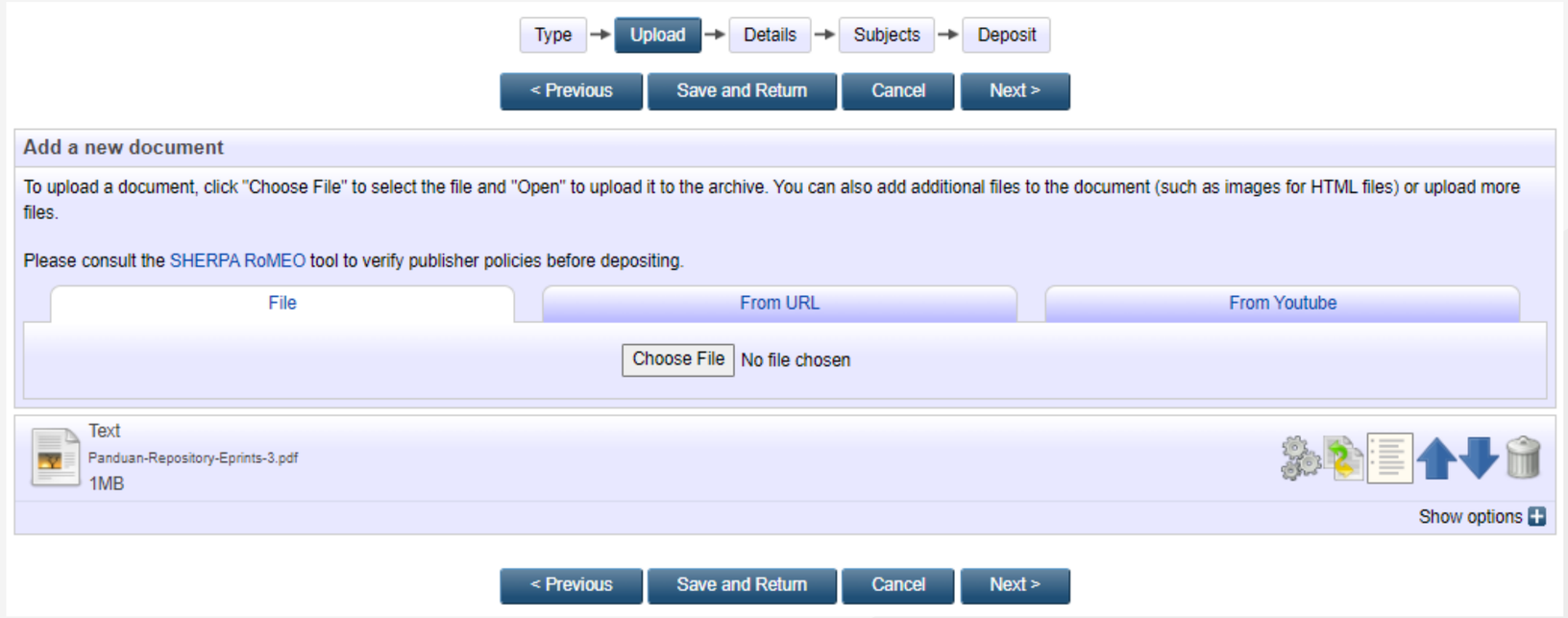

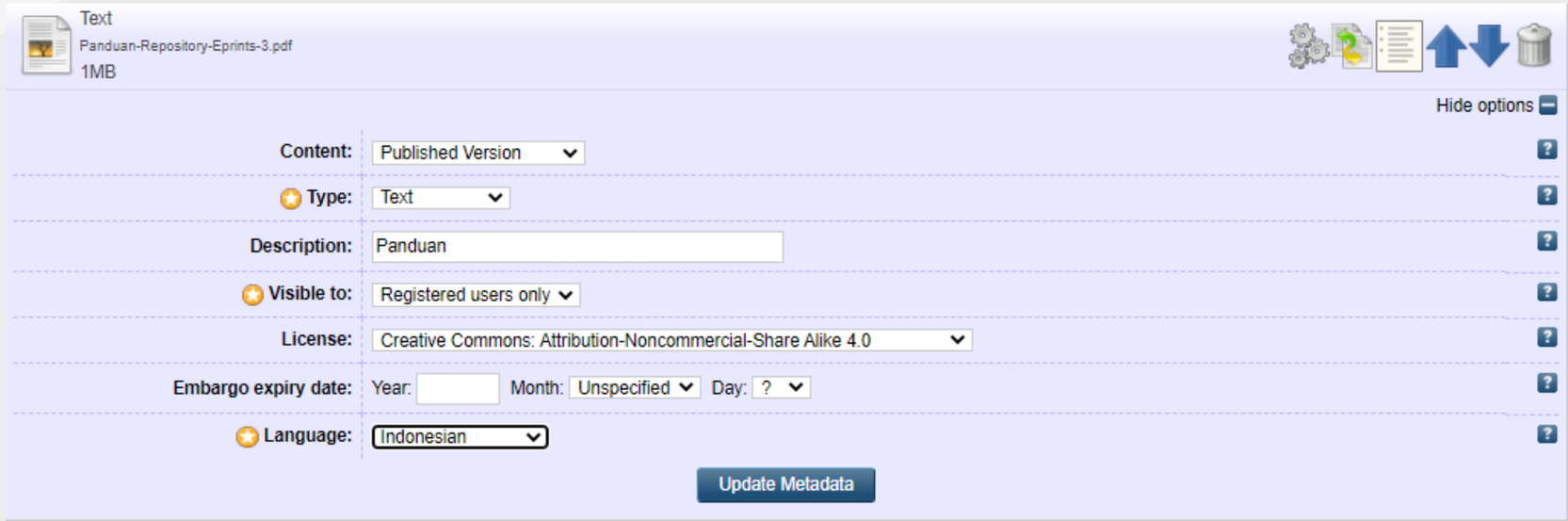

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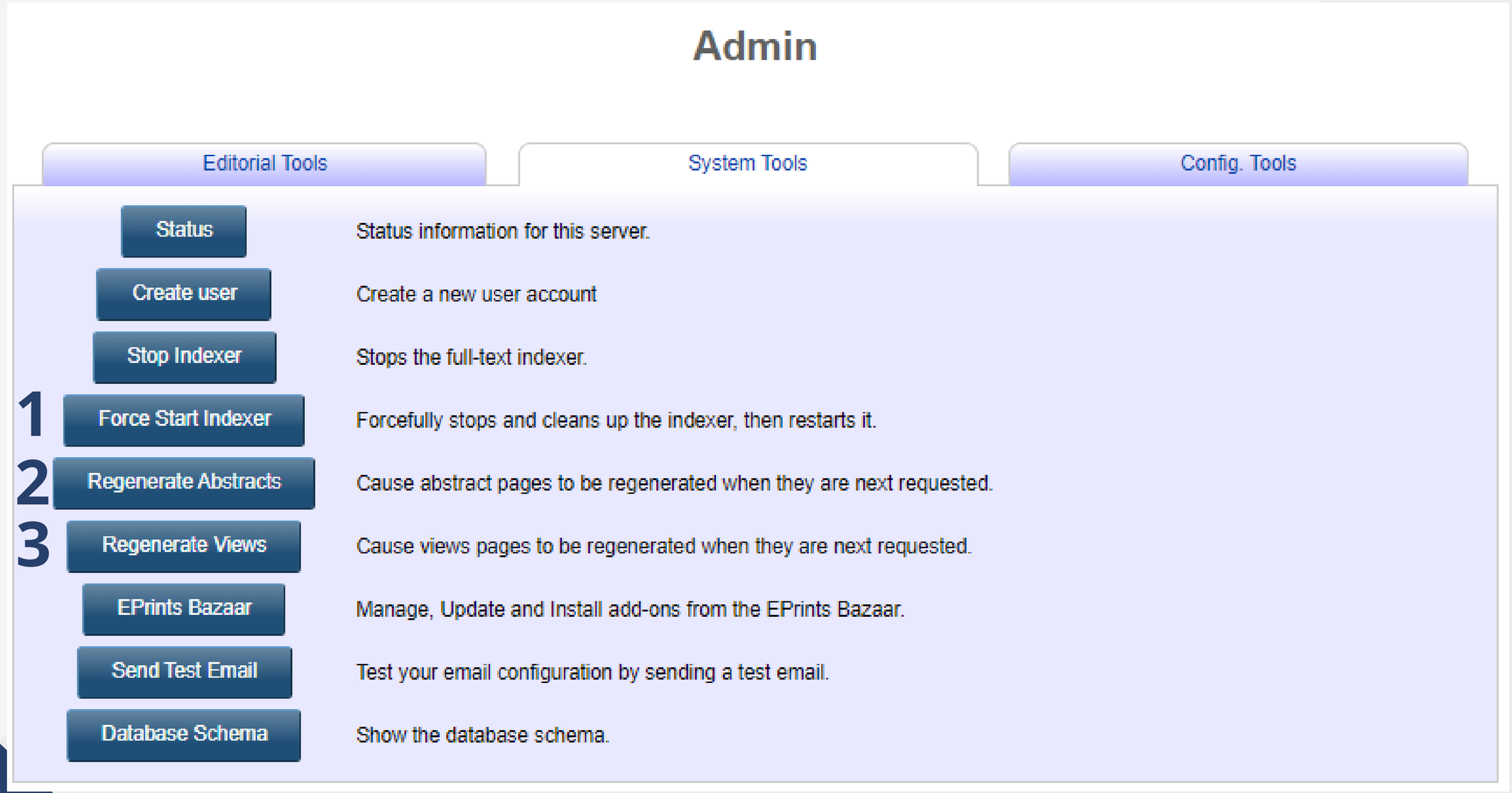

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