

Digital scholarship and the Role of the Library; the example of the Centre for Digital Scholarship at Leiden University Libraries

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Semiloka Nasional Kepustakawanan Indonesia 2018

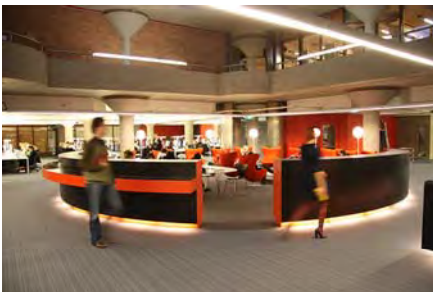


Universiteit
Leiden
The Netherlands



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LEIDEN UNIVERSITY LIBRARIES



Since 1587
The oldest and largest university library in the Netherlands

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8	library locations: 5 in Leiden, 1 in The Hague, 1 in Jakarta (Indonesia), and 1 in Rabat (Morocco)
22	international fellows at the Scaliger Institute per annum (funded by Elsevier, Brill & foundations: Van de Sande, Juynboll, Ailion)
103	opening hours per week @ UB-location
130	FTE library staff
314	courses given by UBL librarians per annum
500+	databases
2.100	library study places
25.454	printed book acquisitions per annum
38.100	publications in the Leiden Repository
47.148	e-journals (excl. 20.053 open access journals to which we link)
1.468.008	e-books
1.862.907	visits to all UBL locations
2.814.867	downloads from the Leiden Repository per annum
3.422.704	downloaded articles from e-journals per annum
5.200.000+	paper books
7.025.368	searches in the UBL catalogue per annum

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- Largest holdings of Dutch medieval manuscripts
- Internationally renowned Middle Eastern & Asian collections of manuscripts and books
- Extensive maps and atlases collection
- Colonial KIT collection and KITLV library
- Three documents inscribed in the UNESCO Memory of the World Register



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The Asian Library

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- One of the largest Asian collections in the Western world
- One of the leading Chinese libraries in the Western world
- One of the largest collections of South Asian materials in Europe
- Largest Indonesian collection worldwide



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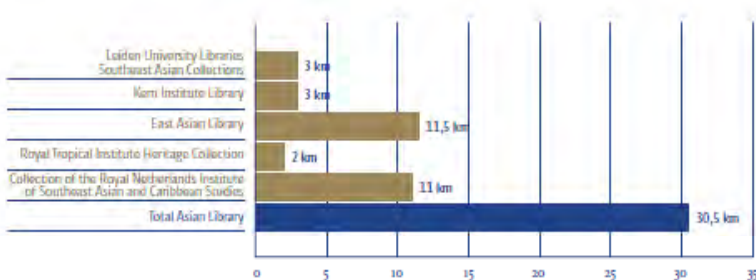
Asian Library

- The Asian Library: an international centre for scholars, students and visitors
 - New open stack area for Asian collections (5 km) (opened 2015)
 - New remote storage facility (38 km) (opened 2016)
 - New Asian Library (1.000 m²) (grand opening September 14, 2017)



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Asian Library



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JENDELA INDONESIA DI BELANDA

Perpustakaan Leiden, dibuka sejak 31 oktober 1587. Saat ini koleksinya

5,2 juta buku

44,000 jurnal elektronik

lebih dari sejuta buku elektronik

60 ribu manuskrip kuno

500 ribu surat

100 ribu peta

300 ribu foto

12 ribu gambar

Perpustakaan Leiden menyimpan banyak koleksi tentang Indonesia

26 ribu manuskrip kuno tentang Indonesia ada di Universitas Leiden

Perpustakaan Nasional hanya mengoleksi 10,3 ribu manuskrip kuno

Buku-buku mutakhir beberapa tahun terakhir soal sejarah, sastra, politik sosial dan tema-tema lain tentang Indonesia juga jadi koleksi perpustakaan Leiden.

Belanda termasuk bangsa modern yang terbeling rapi dalam mengarsip lembaran-lembaran tertulisnya terkait Indonesia era kolonial.

Sumber: tirto.id

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UNESCO Memory of the World



The Buginese manuscript *La Galigo*, the longest epic in the world, creation myth relating the story of humanity's origin.

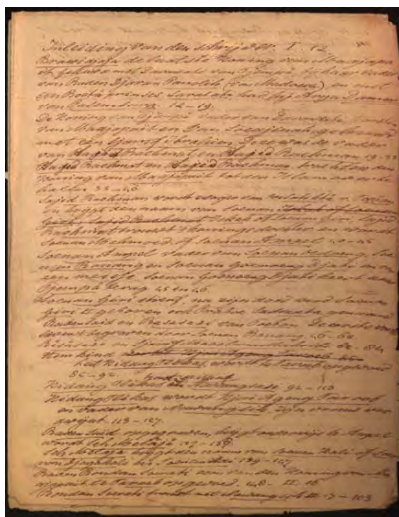
Makassar, Indonesia

2011

From the NBG collection.

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UNESCO Memory of the World



Babad Dipanagaran, the Dutch translation of the autobiographical manuscript of the Javanese prince Diponegoro (1755–1855), national hero and pan-Islamist.

2013

From the KITLV collection.

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UNESCO Memory of the World

Home About us How to donate More information Projects

Unlock Prince Panji to the World!

Prince Panji is the title character in the popular Panji tales from Java. These stories are, without fail, about a prince and a princess, about love and adventure. They can be rather complex, featuring name changes, masquerades, incarnations and transformations, and may take the form of text or theatre.



There are dozens of 'travelling Panji' tales, written in different languages such as Javanese, Balinese, Javanese, Malay, Sundanese, Acehnese and Buginese. They originate from Eastern Java and have spread across a large area from Indonesia to Malaysia and from Cambodia to Thailand. They owe their popularity to the flexibility of the story which can be easily adapted to fit local traditions.

From reading room to online at home:

Leiden University Libraries houses a unique collection of more than 250 manuscripts containing centuries-old Panji tales. The study of these texts lead to many new insights about Southeast Asian history, literature and culture. The unique manuscripts come in many different shapes and sizes and are handwritten in several different languages. At the moment, they can only be consulted in the library's Special Collections reading room. By digitising the Panji tales, we will be able to provide worldwide open access for research and educational purposes.

Digitising old manuscripts is a costly and time-consuming process. We need your help achieving our goal of digitising the Panji tales. Watch the video above to find out more!

Panj Stories, folk stories about Prince Panji. Originated in East-Java and spread throughout Southeast Asia. Leiden houses 250 different manuscripts on Panji tales.

Inscribed as Memory of the World in 2017

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Home Login Search

La Galigo in context

Caribbean Maps Aceh books South East Asian Pop M... Institute ICRN All collections

Welcome to Leiden University Libraries Digital Collections

Digital Collections provides access to the digitised and digital born collections of Leiden University Libraries. This site is open to the world for use, but we are continuously adding new content and new functionality. In the course of 2017 the various Digital Special Collections databases from Leiden University Libraries will be gradually migrated to this site. [More](#)

Collections by type of material

Books and Man... Maps and atlases Photographs Music Drawings Oral History Archive Inventor...

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KITLV-Jakarta office



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Introduction KITLV-Jakarta

Koninklijk Instituut voor Taal-, Land- en Volkenkunde (Royal Netherlands Institute of Southeast Asian and Caribbean Studies) established in 1969 in Jakarta in co-operation with the Indonesian Institute of Sciences (LIPI) is since 2014 part of Leiden University Libraries (UBL).

Main activities:

- Acquisition (5000 items yearly)
 - Digitalisation (210.000 pages yearly)
 - Publishing (average 5 publications per year)
- KITLV-Jakarta also acquires for Monash University and the Australian National University
 - Organize exhibitions (“Jejak Langkah Seorang Raden Ajeng: Reflections on R.A. Kartini”, “Treasures of the Asian Library of Leiden University”).

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Introduction KITLV-Jakarta

Since 2015 dual function:
Office of Leiden University in Indonesia

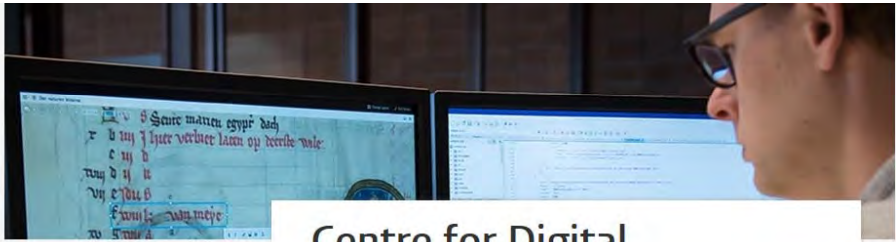
Main activities:

- Research cooperation
- Academic activities
- Partner networking
- Branding of Leiden University
- Information and resource centre
- Alumni networking



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Centre for Digital Scholarship

The Centre for Digital Scholarship collaborates closely with researchers, faculties, national and international colleagues, and other centres of expertise to facilitate and support Digital Scholarship.

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Introduction Center for Digital Scholarship (CDS)

Training and Consultancy on the following topics:

- Data Management
- Tekst and Data Mining
- Open Access
- Publication Advice
- Copyright
- Collaborative environments
- GIS

Advice for research projects that involve:

- Databases and websites
- Creating and managing digital collections
- Metadata
- Management of projects using digital research methods
- Long term preservation
- Digitisation of analogue primary sources

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Introduction Center for Digital Scholarship (CDS)

Data Management

Examples of workshops:



- Introductory Course Data Management Planning
- Psychology: Training Data management for PhD students
- Leiden Academic Centre for Drug Research: Training Data management for PhD students

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Introduction Center for Digital Scholarship (CDS)

Data Management Planning Course

- How to deal with and manage digital data before, during and after the research
- Definition and importance of data management
- Based on FAIR principle: **F**indable, **A**ccessible, **I**nteroperable, and **R**e-usable

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Introduction Center for Digital Scholarship (CDS)

Before	During	After
Policies Data management plans Costs	Storage File naming and structure Metadata Access	Selection criteria Open Data Publication of data

Handouts and best practices

In our training sessions we often refer to the following handouts and best practices.

📄 Back-up strategies	📄 File naming and folder structure
📄 Versioning and authenticity	📄 Anonymisation
📄 Metadata	📄 Selection of research data
📄 Sensitive data protection	📄 FAIR data

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Introduction Center for Digital Scholarship (CDS)

Text and Data Mining (TDM)

To extract structured data (in database) from unstructured data (text)

Scope of TDM:

- Information retrieval
- Information extracting
- Data mining

Tools and Software

Intellectual Property Rights in TDM

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Introduction Center for Digital Scholarship (CDS)

General Directories (including TDM software & tools)

- [DiRT \(Digital Research Tools\)](#)
- [PORT \(Postgraduate Online Research Training\)](#)
- [TaPOR](#)

Tools & software

- [Matrix for most commonly used tools for text analysis](#)
- [Ngram Viewers: Google Ngram Viewer, DBNL Ngram Viewer, Hathii-Time](#)
- [AntiConc](#)
- [Vowant](#)
- [Vowant tools](#)
- [Stanford topic modelling toolbox](#)
- [NaCTeM Service Systems & Software Tools](#)
- [Textpresso](#)
- [GATE](#)
- [Ontotext](#)
- [WMatrix](#)

Parsers

- [PDFMiner-Python PDF parser and analyzer](#)
- [Stanford parser](#)
- [Alpino](#)

Popular programming languages used for TDM

- [Python](#)
- [Perl](#)
- [Sharing code on GitHub](#)

Quantitative data analysis software

- [R](#)
- [Mallet](#)
- [WinStats](#)
- [SPSS](#)

Qualitative data analysis software

- [Atlas.ti](#)
- [Tutorial](#) by University Library of the University of Illinois

Data cleaning

- [OpenRefine](#)
- [Tutorial](#) by Owen Stephens, British Library (owen@ostepens.com)

OCR

- [ABBYY FineReader](#)

Visualization

- [Texttexture Gephi](#)
- [Introduction to Network Visualization with Gephi](#)
- [GCLIS](#)
- [Tablon public](#)
- [OpenHeatMap](#)
- [Google Fusion Tables](#)

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Introduction Center for Digital Scholarship (CDS)

Open Access

The Centre for Digital Scholarship supports Open Access publishing by means of policy, training, support, and services available to all researchers of Leiden University.

- Through the Journal Browser
- Through the 8000 list
- Uploading in Leiden Repository

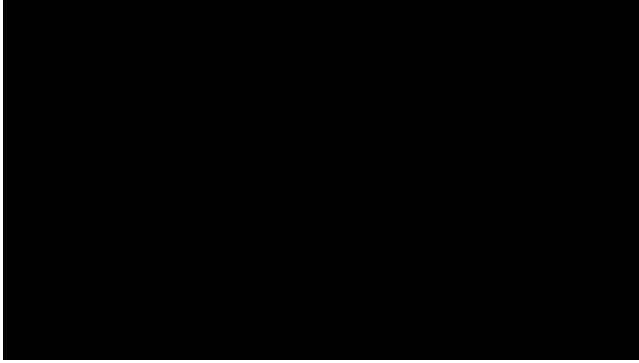


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Introduction Center for Digital Scholarship (CDS)

Open Access



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Introduction Center for Digital Scholarship (CDS)

Open Access

Examples of agreements between Leiden with publishers with an Open Access (discount) agreement

- American Chemical Society
- Brill
- De Gruyter
- Elsevier
- Karger
- Lippincott Williams & Wilkins LWW
- Open Library of the Humanities
- Sage
- Springer
- Taylor & Francis
- Wiley
- Wolters Kluwer

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Introduction Center for Digital Scholarship (CDS)

Copyright Information Office

The Copyright Information Office provides information and advice to anyone within the Leiden University who has questions about copyright, such as:

- How do I publish an article without having to give up my copyright?
- What about the use of images during lectures?
- I want to submit my thesis to the Repository, but would also like to see my thesis published at a university press. Is this possible?
- How can I retain my copyright?

Trend: from copyright dealing with exploitation rights (by publishers) towards execution of these rights on behalf of the author in an non-exclusive agreement.

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Introduction Center for Digital Scholarship (CDS)

Copyright Information Office

- How can I retain my copyright?

Licenses for authors to be used when negotiating an agreement with a publisher

Licenses

- The SURF foundation has created a [Copyright Toolbox](#), which contains the [License to Publish](#). (If the author offers this license to the publisher, instead of signing the publisher's license, he or she can be sure no unnecessary copyright parts are being transferred).
- [SPARC](#) is the Scholarly Publishing and Academic Resources Coalition. They started a campaign on copyright, [Author Rights](#), and have formulated an addendum that can be added to a publisher's contract, which also ensures the author retains some of his or her rights.

Default letters

- A [letter to a publisher](#) (pdf) has been formulated by Tilburg University to request permission to add an earlier publication to the institutional repository.
- For doctoral candidates, this [text](#) (pdf) is used to request permission to add a publication to the institutional repository. Note: the text is specifically aimed at doctoral candidates.
- Open Access Leiden has also formulated a [default text to your co-author\(s\)](#) (pdf) to request their permission for adding your publication to the repository.

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Introduction Center for Digital Scholarship (CDS)

The Centre for Digital Scholarship supports researches with information on:

- ORCID = Open Researcher and Contributor Identifier is an international system for persistent identification of academic authors
- DOI = Digital Object Identifier which is a persistent identifier that can be assigned to digital objects (data and publications)
- Citation Management Software
- Impact of publications (Bibliometrics / Almetrics)



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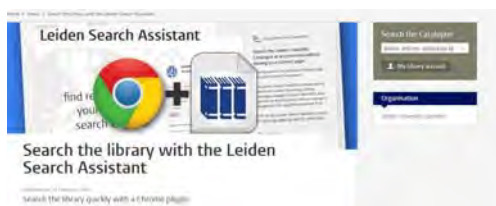
Introduction Center for Digital Scholarship (CDS)

Leiden Search Assistant

CDS developed a plug in: Leiden Search Assistant, which allows students and researchers to quickly query ExLibris' Primo, Google Scholar, Worldcat and Pubmed. With one click and without leaving the current webpage that is being visited.

The plug in is publicly available for libraries with an easy to adapt version of the code:

<https://github.com/LeidenUniversityLibrary/Library-Search-Plugin-Public>

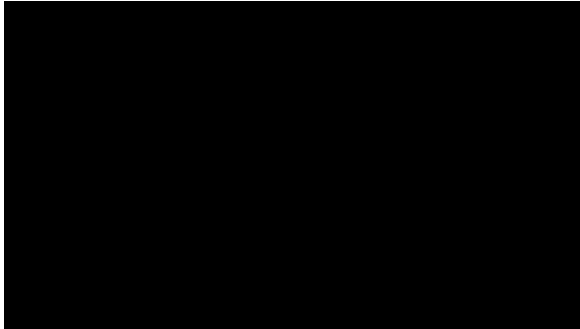


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Introduction Center for Digital Scholarship (CDS)

Leiden Search Assistant



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Introduction Center for Digital Scholarship (CDS)

Useful web pages:

Main page: <https://www.library.universiteitleiden.nl/>

CDS: <https://www.library.universiteitleiden.nl/research-and-publishing/centre-for-digital-scholarship>

Plug in Search Assistant: <https://github.com/LeidenUniversityLibrary/Library-Search-Plugin-Public>

KITLV-Jakarta: www.kitlv.universiteitleiden.id

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Thank you for your attention!

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Signing ceremony of the cooperation agreement
between Leiden University Libraries and the
National Library of the Republic of Indonesia
(april 2018)



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