Sains Informasi

Kajian pengembangan sains informasi di Indonesia

Wina Erwina, M.A

Definition

- Borko dalam Hanhn and Buckland 1998, 8 in Debons, Anthony 2008, 57)

- *"Information science…it's interdiciplinary science involving the efforts and skills of librarians, logicians, linguists, engineers, mathematicians and behavioral scientists"*

▶ **Information science**:

▶ *The science that investigates the properties and behavior of information, the forces that governing the flow of information, and the means of processing information for optimum accessibility and usability. The processes include the origination, dissemination, collection, organization, storage, retrieval, interpretation, and use of information. The field is derived from or related to mathematics, logic, linguistic, psychology, computer technology, operations research, the graphic arts, communications, library science, management, and some other fields*

▶ (ARIST, 1966)

Sejarah sains Informasi

- Mulai dikenal sebagai disiplin keilmuan thn 1950's

- Kata sains informasi dan scientis informasi di gunakan awal oleh Jason Farradane (ilmuwan inggris) pertengahan th 1950 'an (Shapiro 1995) in Bawden 2012.

- SAINS INFORMASI DALAM PENDIDIKAN TINGGI DI INDONESIA

- University of Lampung (D3)
- University of Indonesia, Jakarta (S1 & D3)
- Universitas Padjadjaran, Bandung (S1)
- Universitas Pendidikan Indonesia (S1)
- UIN Syarif Hidayatullah, Jakarta (S1)
- Education University of Indonesia, Jakarta (S1)
- Airlangga University, Surabaya (D3 & S1)
- University of March, Surakarta (D3)
- UIN Sunan Kalidjaga, Jogjakarta (D3 & S1)
- Wijaya Kusuma University, Surabaya (S1)
- Diponegoro University, Semarang (D3 & S1)
- Brawijawa University, Malang (S1)
- UIN Alauddin Makassar (S1)
- Hasanuddin University, Makassar (cut no lg)
- State University of Malang, Malang
- Sam Ratulangi University, Manado
- Universitas Muhammadiyah Mataram
- University of North Sumatra (D3 & S1)
- IAIN Imam snag, Padang (D3)
- Lancang Kuning University, Riau. (S1)
- IAIN Ar-Raniry, Aceh (S1 & D3)
- State University of Padang, West Sumatra (D3)
- IAIN Raden Saleh, Palembang
- University of Bengkulu, Bengkulu
- Unhalu Kendari
- STAIN Sorong,
- Bandung Islamic University of Nusantara (S1)
- Yarsi University Jakarta (S1)
- Petta Stisipol Baringeng Soppeng (S1)
- University of paradise, Jayapura (S1)

- ,Tanggal 16 Agustus 2014 hari Kamis Fakultas Budaya UI, Depok
- dihadiri oleh *stake holder* dalam bidang perpustakaan dan kearsipan seperti: PNRI, ANRI, PDII LIPI, APTIPI, ISIPII dan Asosiasi perguruan tinggi penyelenggara pendidikan ilmu perpustakaan mempunyai kewajiban untuk menaungi bidang Perpustakaan, Arsip dokumentasi, dan Museum

- Tanggal 30 Agustus 2014 di Universitas Pendidikan Indonesia, terdapat beberapa usulan mengenai penetapan Rumpun Utama (612) Kajian Terapan

- November 2014 Nomenlaktur Rumpun Ilmu di Indonesia

- Jakarta 24 Februari 2015 usulan perbaikan keilmuan dari pertemuan Depok UI

Dasar

‣ Merujuk kesetaraan kompetisi dengan penyelenggaraan pendidikan bidang ini di Asean secara khusus dan Dunia, berbasis standar keilmuan.

‣ Kepentingan bersama secara Nasional untuk penyelenggaraan pendidikan ilmu informasi dan perpustakaan, serta pengembangan keilmuan nya

‣ Kapasitas Pengajar, perkembangan bidang informasi di Indonesia, serta tanggung jawab terhadap lulusan dan keperluan dunia kerja.

‣ Merujuk penyelengaaraan pendidikan yang sama di universitas Pada level Internasional yang memiliki kredibilitas baik, dengan pertimbangan lulusan di indonesia dapat melanjutkan ke jenjang yang lebih tinggi di internasional dengan di kenali dan di akui keberadaannya.

‣ Masukan dari Alumni di lapangan kerja dan stake holder akan kebutuhan bidang ini.
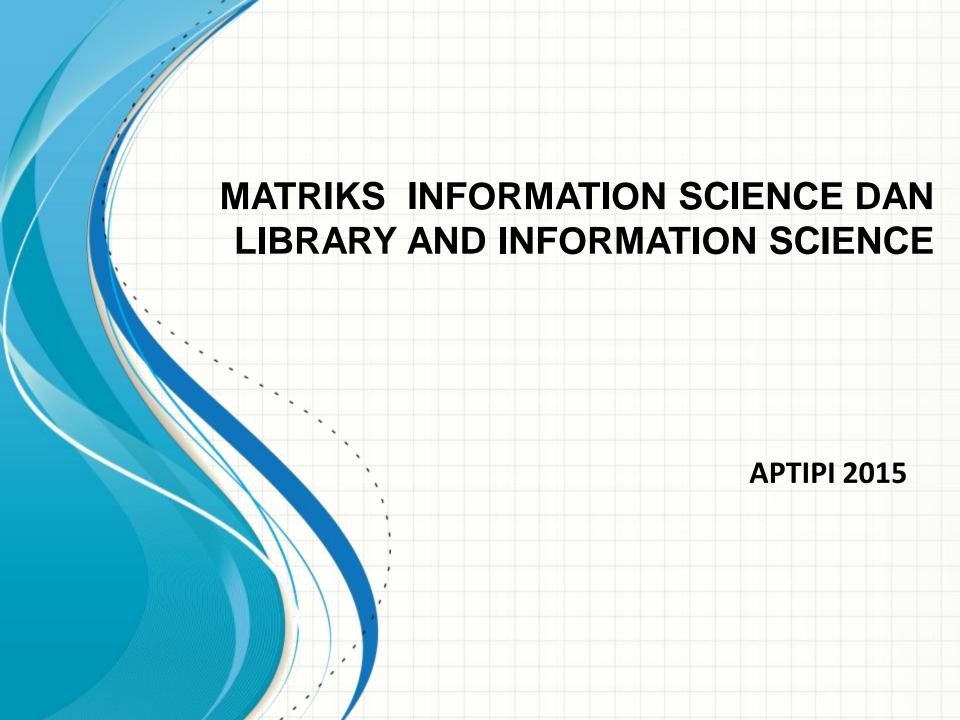
‣

Pengajuan kelompok ilmu 612

- Prodi S1 'Sains Perpustakaan dan Informasi', gelar S.Si.P
- Prodi S2 'Sains Perpustakaan dan Informasi', gelar M.Si.P
- Prodi S3 'Sains Perpustakaan dan Informasi', GelarDr.Si.P

- S1 menjadi 'Sains Informasi'., Gelar S. Si.I.
- S2 menjadi 'Sains Informasi'., Gelar M.Si.I.
- S3 menjadi 'Sains Informasi'., Gelar Dr.Si.I

- Prodi D3 'Arsip' Gelar A.Md.Arsip.
- Prodi D4 'Arsip', Gelar S.Tr.Arsip

- Prodi D3 Perpustakaan, Gelar A.Md.Pust.

▶ Usulan nama Program Studi dan Gelar yang belum terdapat dalam nomenklatur :

▶ Usulan Program Studi D2 Perpustakaan, dengan gelar A.Ma.Pust.

▶ Usulan Program Studi D4 Perpustakaan, dengan gelar S.Tr.Pust.

▶ Usulan Program Studi D3 Museum, dengan gelar A.Md.Mus.

▶ Usulan Program Studi D4 Museum, dengan gelar S.Tr.Mus.

▶ Usulan Program Studi S2/Magister Terapan Perpustakaan, Arsip dan Museum dengan gelar M.Tr.Pust. / M.Tr.Arsip. / M.Tr.Mus

▶ Usulan Program Studi S3/Doktor Terapan Perpustakaan, Arsip dan Museum dengan gelar Dr.

▶

- Perbedaan matakuliah khusus adalah 60 %
- Untuk pembukaan Program Studi dengan prodi yang ada.

MATRIKS INFORMATION SCIENCE DAN LIBRARY AND INFORMATION SCIENCE

APTIPI 2015

LIBRARY SCIENCE	INFORMATION SCIENCE
DESCRIPTION	
Library and information science is the study and practice of professional methods in the use and exploitation of information, for the benefits of users. In the beginning of 21st	*Information Science is the science and practice dealing with the effective collection, storage, retrieval and use of information. It is concerned with recordable information and knowledge, and the technology and related services that facilitate their management and use.*
Core Curriculum	
Information Literacy and Media	**Information Literacy and Media**
Reference Services	**Reference and Information Services**
Information architecture	**Information architecture**
Marketing Information	**Marketing Information**
Media Preservation	**Digital Preservation**
Computer and Network	**Computer and Network**
Information Technology	**information technology**
Cataloging and Classification	**Information organization**
Human-Computer Interaction	**Human-Computer Interaction**

Curriculum

Introduction library and information science	Introduction to Information science
Library Management	Information systems application
Library administration	Philosophy and Paradigms of Information Science.
Development of Library Collection	Digital Preservation
Library and information services	Informatrics
Advanced Cataloging and Classification	Information behavior
Library Instruction	Communicating information
Library Institutions	Information society
Technology in the School Library	Information management and policy
Literature and Related Media for Children	Digital literacy
Literature and Related Media for Young Adults	Evaluation and Information System
Programs and Services for Youth	Information Representation & Retrieval
Public Relations in Library	Information profession
Reading Comptency	Legal government and issue
Library networking	Social and cultural of information
Sources of Information for a Multicultural Society	Knowledge Management information
Computer Applications in Libraries	Subject specific sources and application
Internet Resources and Applications.	Internet & Web Technologies
Systems Analysis for Librarians	Theories of Information sciences
Library research and method	information research and method
Special Problems in Librarianship	Organizational Records Management
Librarian Ethics profession	

- Loughborough University, UK.
- Corrnell University, NY.
- UC Berkeley, School of Information.
- Tokyo University, Departemen Ilmu Informasi berada di bawah *Faculty of Science*.

- Mempersiapkan menghadapi perubahan yang sudah ada di berbagai perguruan tinggi Internasional termasuk di ASEAN yaitu Nanyang University.

- merujuk buku Information science 101, Debons, Anthony 2008, profesi yang dapat di hasilkan dari keilmuan ini adalah: *Documentation, Bibliographer, indexer, cataloger, reference librarian, special librarian, Archivist, Information broker, Information (knowledge) Counselor/ Consultant, information Architect dll.*

Komparasi kurikulum

MATRIX of SCHOOL of INFORMATION SCIENCE				
UNIVERSITY	**PROGRAM**	**ACADEMIC BRIEF**	**CORE COURSE**	**CAREER**
B	D	E	F	G
Information School University of Washington http://ischool.uw.edu/academics	MASTER LIBRARY & INFORMATION SCIENCE GRADUATE PROGRAM	Prepares students to become leaders in the library and information world. Equipped with a keen understanding of the uses and users of information, graduates use their knowledge & determination to lead in a world where information is increasingly the most important commodity.	The Life Cycle of Information; Information Behavior; Information Resources, Services, and Collections; Organization of Information and Resources ; Information in Social Context (3);Instructional and Training Strategies for Information Professionals ;Research, Assessment, & Design ; Management of Information Organizations ; Information Technology; Project Management	▪ Archives and Special Collections Librarian, Children's Librarian, Learning Resource Center, Reference Librarian, ▪ School Librarian, Subject Specialist Librarian, ▪ University Library Director, ▪ Urban Branch Manage ▪ Librarians (public, corporate and academic libraries or other library settings)

| MASTER OF SCIENCE IN INFORMATION MANAGEMENT (MSIM) | The MSIM program prepares students for careers in data management and transfer, business intelligence, information assurance and security, and information system design. Graduates gain critical analytical and management skills necessary to lead the complex information-intensive projects most organizations struggle within the information age. | **Information Core Courses**: Organization of Information and Resources; Information Economics; Analytic Methods for Information Professionals **Technology Core Courses:** Design Methods for Interaction and Systems; Information Systems and Modeling Using XML; Conceptual Database Design **Management Core Courses:** Enterprise Information System Analysis and Design; Policy, Law and Ethics in Information Management; Management of Information Organizations **Integrating Courses:** The Information Management Framework; Fieldwork in Information Management (Internship); Capstone I; Capstone II | Librarians (in public, corporate and academic libraries or other library settings) Archives and Special Collections Librarian, Children's Librarian, Learning Resource Center Librarian, Reference Librarian, School Librarian, Subject Specialist Librarian, University Library Director, Urban Branch Manager. Competitive Intelligence Analyst; Information Architect; Information Officer; Internet Trainer; Knowledge Management Specialist; Nonprofit Project Coordinator; Senior Program Manager; Taxonomy Lead |

| PhD in Information Science | The program focuses on the broad areas of human-computer interaction and design, information management, information policy, information science, and library science. | Students complete the following required INSC courses:
Faculty Seminar
Theoretical Foundations for Information Science
Research Design
Quantitative Methods in Information Science
Qualitative Methods in Information Science
Required Practica
Teaching Practicum I;
Teaching Practicum II;
Research Practicum I
Research Practicum II | To prepare for a career as a scholar, researcher, teacher, change agent, and leader in the discipline of information science To create a learning environment where the knowledge base of the discipline of information science is valued, rigorously examined and augmented To establish a culture & infrastructure which will nurture the advancement and dissemination of new knowledge in the field of information science To facilitate and mentor advanced study in information science To create an environment that will nurture and promote your intellectual needs, strength and interests |

School of Information Studies University of Wisconsin–Milwaukee http://www4.uwm.edu/sois/programs/	Bachelor of Science in Information Science & Technology (SOIS)	The School of Information Studies (SOIS), can help you prepare for a career in the information professions. The school provides students with the opportunity to develop an understanding of the value, role, and application of modern technology as it relates to information operations and the transfer of information.	Learn how information is retrieved, organized, manipulated, repackaged and applied in nearly every aspect of our increasingly digital culture and economy. The Bachelor of Science in Information Science and Technology immerses students in ▪ information science; ▪ information architecture; ▪ information organization, storage & retrieval; and applications of the Internet.	▪ The Bachelor of Science in Information Science and Technology (IST) seeks to train students to be valuable managers of data and information . IST grads often find positions in both public and private sectors. Students interested in the wide range of careers associated with the IST program should take a look at some of the new and traditional titles. ▪ Network Administrator; ▪ Database Developer; ▪ IT Support Specialist; ▪ Multimedia Specialist; ▪ Web Developer; ▪ Data Analyst; ▪ Social Media Manager; ▪ Health Care Informatics Manager

School of Information Studies University of Wisconsin – Milwaukee http://www4.uwm.edu/sois/programs	**Master of Library and Information Science (MLIS)**	The MLIS program prepares librarians and information professionals to manage change in an urbanized, technologically oriented and knowledge-based society. Its systematic course of study enables individuals with a strong service orientation to apply principles of library and information science, to use current methods and tools, and to recognize the value of research.	**Transcript Designated Concentrations;** • Archival Studies • Information Organization • Public Library Leadership • Information Technology **Areas of Specialization** • Academic Libraries • Public Libraries • Special Libraries • Digital Libraries • Information Law, Policy and Ethics • Information Literacy • Library Media Certification	• The MLIS program prepares graduates for careers within a traditional library setting as well as a new and emerging positions in various areas such as communications, marketing, business, technology services, and research. • Traditional MLIS careers can be found in libraries, museums, and other information institutions. Students interested in librarianship should be aware of some of the career titles that will see in their job search. Those titles include: - Public Libraries; Adult Services Librarian, Children's/Teen/YA Librarian, Cataloger, Technical Services Librarian - Special Libraries; Archivist, Theological Librarian, Law Librarian, Medical/Health Care Informatics Librarian, Music Librarian, Museum Curator, School Media Specialist - Academic Libraries; Collection Development Librarian, Digital Librarian, Cataloger, Bibliographic Instruction Librarian, Subject Specific Librarian (Music, History, Government Documents, etc) • Information specialists are need in all sectors of the marketplace including law, medicine, insurance, government, and entertainment. Some titles to consider for MLIS students interested in information science positions include: Information Architect, Indexer, Database Manager, Web Content Manager, Information Specialist, Information Analyst, Library Vendor

School of Information on Studies University of Wisconsin – Milwaukee http://www4.uwm.edu/sois/programs	PhD in Information Studies	The PhD program at SOIS is a unique, research-oriented degree that provides an opportunity for students to develop, apply, and critically evaluate the relevance of theory and the effectiveness of its application to a variety of research areas. Doctoral students examine the evolving landscape of information production, storage, dissemination, and use in order to introduce new ideas for social, commercial and educational contexts.	Begun in 2008, the PhD program at SOIS has developed a reputation for successful scholarship in three concentrations: ▪ Information Organization ▪ Information Policy ▪ Information Retrieval	Building on one of the largest and most dynamic MLIS programs in the country, the program prepares researchers, academics and administrators for successful careers in these three areas. Student pursuing a PhD in Information Science at SOIS should be prepared to enter the field at a very high level. The academic rigors of the doctoral program do not only prepare candidates to teach, these students also go on to perform highly-regarded research and act as consultants. The job market for PhD candidates depends on the qualifications and research track which they seek. Job seekers holding a PhD should consult with the ALISE Job Placement, as well as run-of-the-mill library job sites like ALA JobList, which frequently advertise academic positions in addition to those in the library. Some of the best ways for PhD students to find positions are to attend professional conferences. This is an excellent way for students to promote themselves as a potential leader in the field.

- TERIMAKASIH