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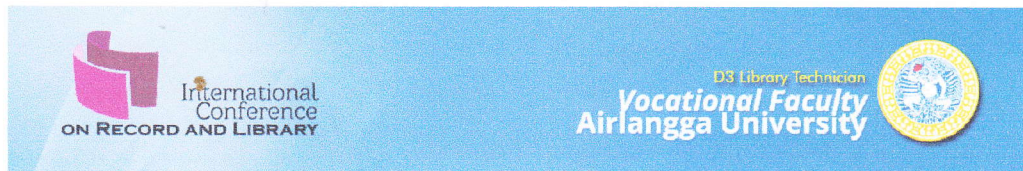
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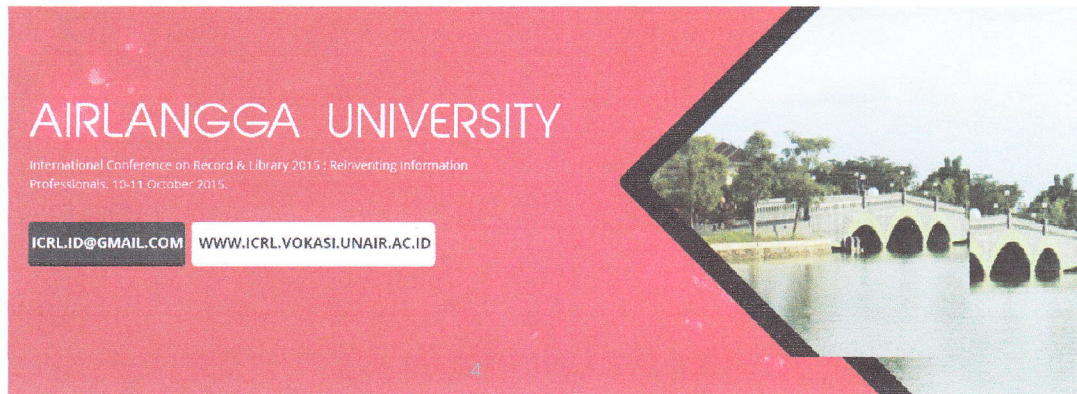
Reinventing Information Professionals

Proceedings



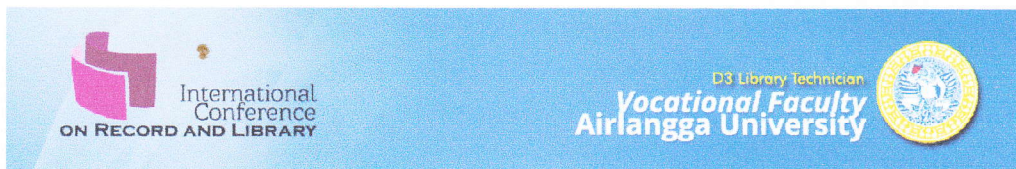


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Reinventing Information Professionals

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Proceeding

Proceeding ICRL 2015

Invited speaker 1 Dr. Shaheen Majid (Nanyang Technological University)

Invited speaker 2 Dr. Hui-Yun Sung (National Chung Hsing University)

Keynote Speaker 1 Kominfo Bpk. Bambang Heru Tjahyono

Keynote Speaker 2 Kepala Pusat PNRI Bpk. Ahmad Masykuri

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10th October 2015		
Time	Activity	Notes
07.30-09.00	Registration & Morning Break	Committee
09.00-09.10	Opening ceremony	Rektor Universitas Airlangga
09.10-09.20		Chief of the Committee
09.20-09.30		Sparkling Surabaya Dance Performance
09.30-10.00	Keynote Speaker	Dirjen Aplikasi dan Informatika Kemkominfo: Bambang Heru Tjahyono
		<i>Information Professional on Information Era</i>
10.00-10.30	Keynote Speaker	Kepala Pusat Pengembangan Bahan Pustaka & Jasa Informasi PNRI: Ahmad Masykuri
		<i>Resource sharing koleksi digital</i>
10.30-11.45	Speaker	Nanyang Technological University Singapore : Shaheen Majid
		<i>Challenges of training LIS professionals in Singapore</i>
	Moderator	Imas Maesaroh
11.45-13.00	Break	Committee
13.15-14.30	Speaker	National Chung Hsing University Taiwan: Hui Yun Sung
		<i>Diversity and inclusion: Preparing LIS graduates for the 21st Century</i>
	Moderator	Imas Maesaroh
14.30-14.50	Afternoon Break	Committee
14.50-16.00	Paralel session 1	Garuda Mukti Room 5th Floor (Moderator: Imas Maesaroh)
14.50-16.15	Paralel session 2	Room 301 3rd floor (Moderator: Fitri Mutia)
14.50-16.00	Paralel session 3	Room Sidang Pleno 3rd Floor (Moderator: Amelia Marihesyia)
16.00-17.00	Paralel session 4	Garuda Mukti Room 5th Floor (Moderator: Imas Maesaroh)
16.15-17.10	Paralel session 5	Room 301 3rd floor (Moderator: Amelia Marihesyia)
16.00-17.10	Paralel session 6	Room Sidang Pleno 3rd Floor (Moderator: Dyah Puspitasari)
17.15-17.30	Closing ceremony	Chief of the Committee
17.30-19.00	Break & preparation to Gala Dinner	Accommodated by UNAIR shuttle bus
19.00-21.00	Gala Dinner	Swiss Belinn Hotel
11th October 2015		
Time	Activity	Notes
07.30-08.00	UNAIR Library Kampus B Meeting Point	
08.00-09.30	UNAIR Library Tour	UNAIR library
09.30-12.30	Social activity	Surabaya City Tour
		Batik Making Tour

12.30-13.30	Lunch	Nasi Udang Bu Rudi
		Bebek Songkem Madura
13.30-14.00	Back to UNAIR Kampus B	See you next year

Paralel Sessions		
Session	Author/s	Paper Title
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	Melati Purba Bestari Perpustakaan STIE Perbanas Surabaya	Fulfillment Research Resources through Access Financial Report for Go Public Company at Library of STIE Perbanas Surabaya
	Endang Fitriyah Mannan D3 Library Technician Fakultas Vokasi UNAIR	Individual Abilities Outcome for Using Internet Media Literacy Among Boarding School Students. (Case Study at Pesantren Bahnul Ulum Jombang, Indonesia)
	Munawaroh, Dio Eko Prayitno Perpustakaan STIE Perbanas Surabaya	Digital Library and Institutional Repository for Supporting Information Literacy
	Dyah Puspitasari D3 Library Technician Fakultas Vokasi UNAIR	Implementation of record management at faculty of engineering University of Indonesia
Session 2 Room 301 3rd floor	Dina Oktaviana Universitas Indonesia	Record Appraisal: Several Methods and Design in Indonesia
	Lolytasari Perpustakaan FITK UIN Syarif Hidayatullah Jakarta	The Analysis of Archive Centre on Institute of Agricultural Bogor as a Designing Model for Archive Centre on State Islamic University Syarif Hidayatullah Jakarta
	Sintha Ratnawati, Yuli Rahmawati Harian Kompas Jakarta	Digital Preservation of Photojournalism Case Study of the Kompas Daily
	Sianiwati Goenharto Teknik Kesehatan Gigi Unair	Intra and Extra-Oral Photograph for Orthodontic Records
	Anisa Sri Restanti UPT Perpustakaan Universitas Jenderal Soedirman	Challenges and Strategies to Develop a Positive Image of the Library
Session 3 Room Sidang Pleno 3rd	Fahriyah FISIP Universitas Wijaya Kusuma Surabaya	Marketing Strategy in Surabaya City Archives and Libraries
	Erni Fitriani Perpustakaan Universitas Lampung	"EF" Method for Determination Books Inventory Number on Book Acquisition at Library of Lampung University
	Dimas A. Gammayani, Irfham Hanif Nabawi, Muhammad Irsyad Alfatih	Utilization of Information and Communication Technology in Coordination Between the National Library with the Provincial Library

	<p>Program Magister Ilmu Perpustakaan, UI Dessy Harisanty D3 Library Technician Fakultas Vokasi UNAIR Margareta Aulia Rachman, Yeni Budi Rachman Departemen Perpustakaan & Info Universitas Indonesia Fitri Mutia Library and Information Dept. FISIP UNAIR Nisa Adelia Universitas Indonesia Ragil Tri Atmi Library and Information Dept. FISIP UNAIR Mohammad Rosyihan Hendrawan Prodi Ilmu Perpustakaan FIA UB Mohamad Rotmianto, Eko Wahyudi TK & SD Negeri Unggulan Kabupaten Magetan Alifian Sukma, Badrus Zalam, Endah Purwanti Prodi Sistem Informasi FST UNAIR Maisyatus Syua'daa Irfana D3 Library Technician Fakultas Vokasi UNAIR Albertus Pramukti Narendra Fak. Teknologi Informasi UKSW Salatiga.</p>
Session 4 Garuda Mukti Room 5th	<p>The Reading Behavior of Street Children</p> <p>Information Seeking Behaviour of Senior High School Student on General Election: Case Study In Indonesia</p> <p>Library Access for Student with Special Need In Inclusion School Surabaya</p> <p>Librarian and Traditional Knowledge : A Study Of Urgency and The Role Of Librarian In Traditional Knowledge</p> <p>Evaluation of the Library and Archives of East Java's workshop as a Knowledge Sharing Form of Jawatimuran Local Wisdom Preservation</p> <p>Leading Knowledge Management in the International Organization :</p> <p>The United States Agency for International Development (USAID) Perspective</p> <p>Developing Plugin e-DDC as an Additional Application for Senayan Library Management System with PHP Language Programming and MySQL Database</p> <p>Information Retrieval Document Classified with K-Nearest Neighbor</p> <p>Arabic Alphabet Retrieval System for OPAC with Digital Tree Method</p> <p>Big Data, Data Analyst, and Improving the Competence of Librarian</p>
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Library for the Digital Natives Generation: What to do

**Siana Halim, Dian Wulandari¹, Demmy Kasih, Felecia, Ingrid
Petra Christian University**

Abstract

Nowadays, people does not need to go to the library for searching knowledge or information. World does change. We come to the new generation that so called as digital native generation. Information can be search through the gadgets on hands which connected to the internet. Then comes the question. Is the library still important? What the library should do? It is no wonder that most of the libraries have decreasing number of visitors as well as decreasing number of books that out of the shells. This paper describes the characteristics of the digital native, their habit in learning and reading books. It also summarized some discussions among the head of the three university libraries in Surabaya, i.e, Intitut Teknologi Sepuluh (ITS) Nopember Surabaya, Petra Christian University (PCU), Surabaya Universities (Ubaya). The results of the discussion shows, that library has to be changed so that they can accommodate the needs of the digital native. It is not only the place for borrowing books, but also the place for doing discussion, watching videos and listening to audios, and of course the online materials must be provided to encounter the decreasing visitors.

Key words: digital native, library, statistics

Nowadays, library is not the solely place for achieving information through books or other resources. World does change, trough internet access information is ready on hands immediately. No wonder that most of the university libraries, particularly in Surabaya, have decreasing number of visitors as well as decreasing number of books that out of the shells. As it is reported by Wulandari (2011), the physical visitors of PCU library is 2008-2009 were 119.284 or 431 persons/day. In 2010-2011 it was increasing to be 128.554 persons or 466 persons/day, and in 2011-2012 it was significantly decreasing to be 106.809 or 384 persons/day. In recent days the number of physical visitors is increasing, but the number of borrowed books is decreasing. In a focus group discussion (FGD, 2015) at the PCU Library, it is agreed in the discussion that the physical visitors of the libraries is increasing but the number of borrowed books are significantly decreasing. That FGD was let by the heads of the Institut Teknologi Sepuluh Nopember (ITS) library, Surabaya University library and PCU library. This phenomena is avoidable, since the students, who are the main customers of the university libraries, are digital native generation.

Digital native or net generation is a generation which was born after 1994. Digital native is a young generation that “native” in the language of digital era (Prensky, 2001). The digital natives are digital literate, connected, immediate, experiential, prolific communicators (social), work in a team, their preference is for structure rather than ambiguity, oriented toward making observations, visual and kinesthetic, take part

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in the community activities. Digital natives are nontraditional learners (Oblinger and Oblinger, 2005). This generation grew in the World Wide Web era, interact closely with gadgets, and search the information through their gadgets (Suprpto, 2010).

Therefore in this paper, we explore the digital native characteristics and their style in learning and acquisitioning the information that they need.

Methods

This research was conducted via surveys to 460 university students which studies in five universities in Surabaya. Those five universities are Institut Teknologi Sepuluh Nopember Surabaya (ITS) with 92 (20%) respondents, Universitas Pembangunan Nasional-Veteran (UPN) with 48 (10.4%) respondents, Universitas Kristen Petra (UKP) with 186 (40.4%) respondents, Universitas Surabaya (UBAYA) with 87 (18.9%) respondents and Universitas Widya Mandala (UWM) with 47(10.3%) respondents. The proportion of respondents from each university is depend on the size of the library. ITS and UPN are state universities, while UKP, UBAYA dan UWM are private universities.

The respondents distributed from class of 2010 to class of 2014 with percentage, 5%, 22.8%, 18.5%, 20% and 33.7% consecutively. Most of them are undergraduate (97.4%), only 1.1% are diploma, and the rest are graduate students. Moreover, statistics descriptive are used to explore and describe the characteristics of the data.

Results

In overall most of the students (67.2%) read references books and only 32.8% do not read references books. Among them 150 students do not have textbooks nor e-books, 142 have textbooks, 78 collected e-books, and 90 collected textbooks and e-books. During classes, 61 respondents only listening to the class, 248 respondents only take a note, 13 drawing mind mapping, and 9 search through the internet. Most of them are often to use printed, digital, hand note and module for learning, and 46.1% are very often to use internet (see Table 1).

Listening to music and searching information through internet are the two most frequent activities the students do with their PC (see Table 2). The digital native prefer to work in team (48.7%) than individually (see Table 3). Among several types of social media, 70.1% of the students are often or very often exist in the Instagram (see Table 4). Most of every students has laptops and smart phone (see Table 5).

Table 1 Media Used for Learning

Media	Never	Seldom	Sometimes	Often	Very often
Printed	2.6%	11.7%	27.0%	42.0%	16.7%
Digital	3.6%	14.6%	28.7%	37.2%	16.1%
Hand note	0.9%	6.1%	17.6%	38.7%	36.7%
<i>Slide/handout</i>	1.3%	5.9%	15.9%	44.8%	32.2%
Module	3.3%	10.0%	27.8%	40.4%	18.5%
Article in printed media	6.7%	25.0%	38.3%	23.9%	6.1%
Radio/TV	20.9%	32.4%	30.9%	11.7%	4.1%
Picture/graphic/ <i>chart</i>	9.6%	23.0%	37.6%	22.8%	7.0%
Recorded audio/video	24.1%	36.5%	24.8%	11.7%	2.8%
Model	20.9%	31.1%	31.7%	11.7%	4.6%
Internet	0.9%	3.3%	10.4%	39.3%	46.1%

Table 2 PC Usage

Computer usage	Never	Seldom	Enough	Often	Very often
Document (e.g. Word, excel)	0.00%	1.30%	14.30%	48.50%	35.90%
Picture editing (e.g. Photoshop)	19.40%	24.10%	34.80%	20.20%	10.40%
Audio and video editing	20.22%	26.74%	27.83%	16.52%	8.70%
Learning without internet	5.40%	5.90%	21.70%	36.70%	30.20%
Listening to music	0.70%	2.20%	8.00%	26.10%	63.00%
Playing games without internet	12.20%	9.30%	17.40%	26.10%	35.00%
Game online	28.91%	14.57%	16.09%	17.39%	23.04%
Searching information using internet	1.70%	2.20%	7.60%	26.70%	61.70%

Table 3 Percentage of Doing the Homework

Doing the homework	Never	Seldom	Enough	Often	Very often
Individually	1,3%	4,1%	15,0%	49,3%	30,2%
Copy the work of classmate	14,8%	27,0%	44,8%	12,8%	0,7%
Copy the work of seniors	44,6%	24,6%	23,5%	7,2%	0,2%
Work as a team	2,2%	5,4%	28,5%	48,7%	15,2%
Have recourse without payment	33,0%	14,6%	27,8%	20,4%	4,1%
Have recourse with payment	85,7%	5,9%	5,9%	2,4%	0,2%
Do nothing	60,9%	25,9%	10,4%	2,8%	0,2%

Tabel 4 Percentage of Social Media Activities

Social Media	Never	Seldom	Sometimes	Often	Very often
Facebook	7.2%	27.4%	27.0%	24.1%	14.3%
Twitter	22.2%	39.1%	24.8%	9.3%	4.6%
Path	42.8%	17.0%	15.2%	16.5%	8.5%
LinkedIn	74.3%	15.0%	6.5%	2.4%	1.7%
Instagram	14.1%	7.0%	11.7%	33.9%	33.3%
Pinterest	73.9%	10.2%	9.3%	3.7%	2.8%
Google+	38.9%	27.0%	17.6%	10.9%	5.7%

The results of Focus Group Discussion(FGD)

In the FGD all participants presented the profile of the library and its visitors, pattern or trend of the library visitors, efforts or programs which the librarians have done to facilitate the needs of the digital natives, and the future development of each library they

Table 5 Percentage of PC and Gadgets Ownership for Each University.

Univeristy	PC & Gadgets									
	PC	Laptop	Video Games	MP3 Player	Digital Camera	Smart Phone	Modem	Printer	Scanner	Data Storage
Petra	42.5%	85.5%	26.3%	41.4%	47.3%	96.2%	41.9%	34.9%	23.7%	80.8%
Ubaya	51.1%	87.4%	20.7%	41.4%	41.4%	97.7%	34.5%	41.4%	31.0%	86.2%
UWM	47.1%	89.4%	21.3%	36.2%	38.3%	100.0%	29.8%	55.3%	25.5%	85.1%
ITS	30.4%	91.3%	6.5%	21.7%	23.9%	98.9%	30.4%	26.1%	14.1%	85.9%
UPN	45.8%	79.2%	18.8%	45.8%	39.6%	100.0%	41.7%	37.5%	20.8%	89.6%

represented. There are three publics universities in Surabaya (Institut Teknologi Sepuluh Nopember Surabaya, Universitas Airlangga and Universitas Negeri Surabaya) and more than 30 private universities (Pemkot Surabaya, 2015). However, this FGD was followed only by three universities which represents the public and private universities. The PCU was the host of this event, ITS represents the public university

and Ubaya represents the private university. The result of the discussion can be summarized as follows.

Petra Christian University Library (PCULib)

Nowadays, PCULib serves more than 8000 students from 6 faculties which includes 25 departments, and 2 post graduate programs. The PCULib is 4213.38 m² and located in Gedung Radius Prawiro fl. 5-8. It has been operated since 1992.

In the digital native's era, the library in use is decreasing, but the visitors is increasing. The students use the library for discussions, doing their homework and discuss their activities in the student's organization.

Since 2012, for increasing the number of visitors, PCULib do several efforts such as: (1) Repositioning a new role as a community hub, where people of different communities and the campus community to interact, collaborate, and learn together. (2) Develop hybrid library concept, add digital collections through subscribe to many publishers, and produce repository. (3) Develop IT with interactive, colorful and rich of images web-based. (4) Enlarge the leisure reading room area. (5) Provide Good quality Wifi. (6) Utilize RFID for inventory control, verification and security. (7) Allowing the visitors to bring their personal books, notebooks, water junk, etc. (8) Use social media to inform, promote the library activities, gives door prize to attract visitors to attend the library promotion, etc. (9) Provide Information literacy training for students.

In near future, PCULib will provide several facilities to meet the digital natives' need. Those facilities are library/information commons, computer cluster, library training room, library cafe, audio visual room, ruang special/rare collection. PCULib will provide more ebooks and video database.

Institut Teknologi Sepuluh Nopember Surabaya Library (ITSLib)

ITSLib serves 18000 students from 6 faculties. The visitors of ITSLib is also decreasing. To increased the number of visitors ITSLib provide broadband internet, provide leisure reading room area, in which the visitors can bring food and beverage in that room. Café like reading room with good quality wifi.

ITSLib gets support from many corporates through the corporate social responsibility (CSR) programs and World Bank. Through this program ITSLib has Sampoerna Corner, PLN Corner and IDISS ITS-World Bank.

ITSLib also develop many efforts for increasing the visitors as the PCULib has done.

Universitas Surabaya Library (UbayaLib)

UbayaLib serves students from 8 faculties and has ISO 9001:2008 certificate. It has multimedia, mini home theater and foto copy centre facilities. UbayaLib are managed by 15 librarian with 13 stafs, who are work in 2 shift from 08.00-16.30 and 11.30-19.00.

UbayaLib has Mendeley and anti plagiarism softwares. The faculty members have Rp 400000/semester for buying books. Those books increased the UbayaLib collections significantly. Moreover, UbayaLib provides online service. All UbayaLib members can access the UbayaLib Digital Contents wherever they are. Those are some of the UbayaLib efforts to accomodate the digital natives' need.

Conclusion

It can be concluded that digital natives are generation which are always connected to the internet, no wonder they search of information through the web than going to the library. Additionally, they work in team, use social media intensively, and more than 95% of them have gadgets. This will be a challenge for the library to be exist in the digital native era.

To overcome that challenge, several efforts have to be done. The PCULib, ITSLib and UbayaLib develops digital collections, and more facilities to accommodate the needs of the digital natives.

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