

Teknologi Web

[MI2413]

Management Informatika | Fakultas Ilmu Terapan | 2016

WIU | TFN | SKS | MBS

Evolusi Web 2.0



Kajian #1

Minggu	Ke	Jenis	Kajian	Kompetensi Dasar	Pokok Bahasan	Sub Pokok Bahasa	Materi Bahasan	Metode	Media	Pustaka
1	1	Teori	<i>Sejarah Perkembangan Web</i>	Menunjukkan sejarah perkembangan internet	Sejarah perkembangan internet	Sejarah internet berdasarkan tahun	<ul style="list-style-type: none"> - Kontrak perkuliahan - Tujuan mata kuliah - Sekilas sejarah internet 	Ceramah Diskusi	Multimedia projector, papan tulis, komputer	1,2
2	2	Teori				Sejarah internet berdasarkan tokoh dan teknologi yang dihasilkan	<ul style="list-style-type: none"> - Tokoh-tokoh yang berperan dalam sejarah perkembangan internet - Teknologi penting yang dihasilkan oleh tokoh-tokoh tersebut - Sejarah dan latar belakang munculnya teknologi yang dihasilkan oleh tokoh-tokoh tersebut. - Manfaat internet bagi masyarakat luas 	Ceramah Diskusi	Multimedia projector, papan tulis, komputer	1,2
3	3	Teori		Menunjukkan sejarah perkembangan web	Sejarah perkembangan web	Generasi web dan Jenis-jenis web	<ul style="list-style-type: none"> - Pendahuluan tentang generasi web dan jenis-jenis web - Client-side-scripting - Karakteristik Web 1.0 - Teknologi yang digunakan pada Web 1.0 - Contoh nyata Web 1.0 - Kelebihan dan kekurangan Web 1.0 	Ceramah Diskusi	Multimedia projector, papan tulis, komputer	1,2,3
4	4	Teori					<ul style="list-style-type: none"> - Latar belakang munculnya Web 2.0 - Server-side-scripting - Karakteristik Web 2.0 - Teknologi yang digunakan pada Web 2.0 - Contoh nyata Web 2.0 - Kelebihan dan kekurangan Web 2.0 	Ceramah Diskusi	Multimedia projector, papan tulis, komputer	3,4,5, 6
5	Assessment Kajian 1									

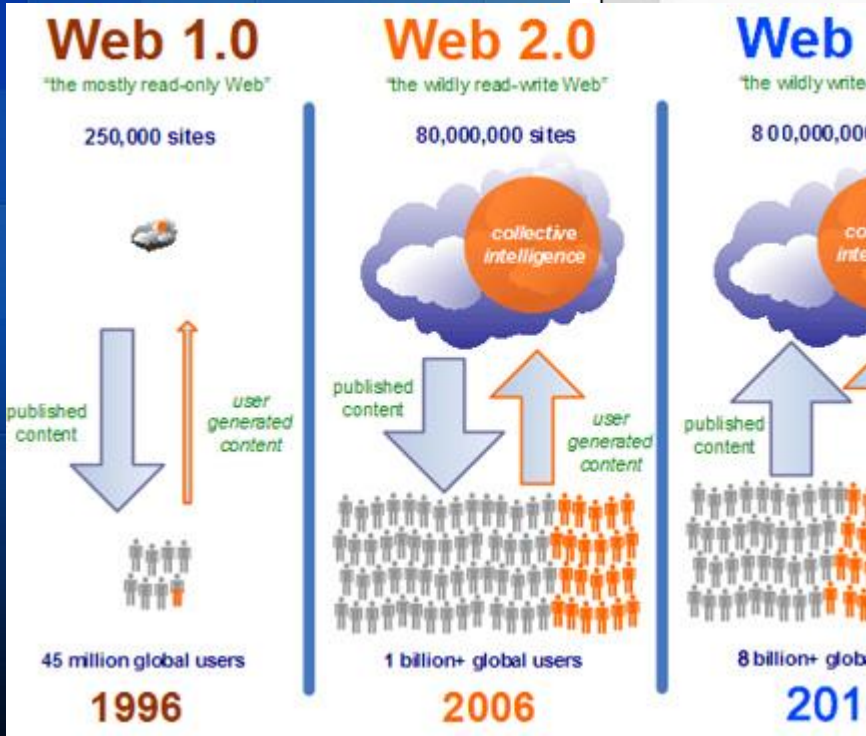
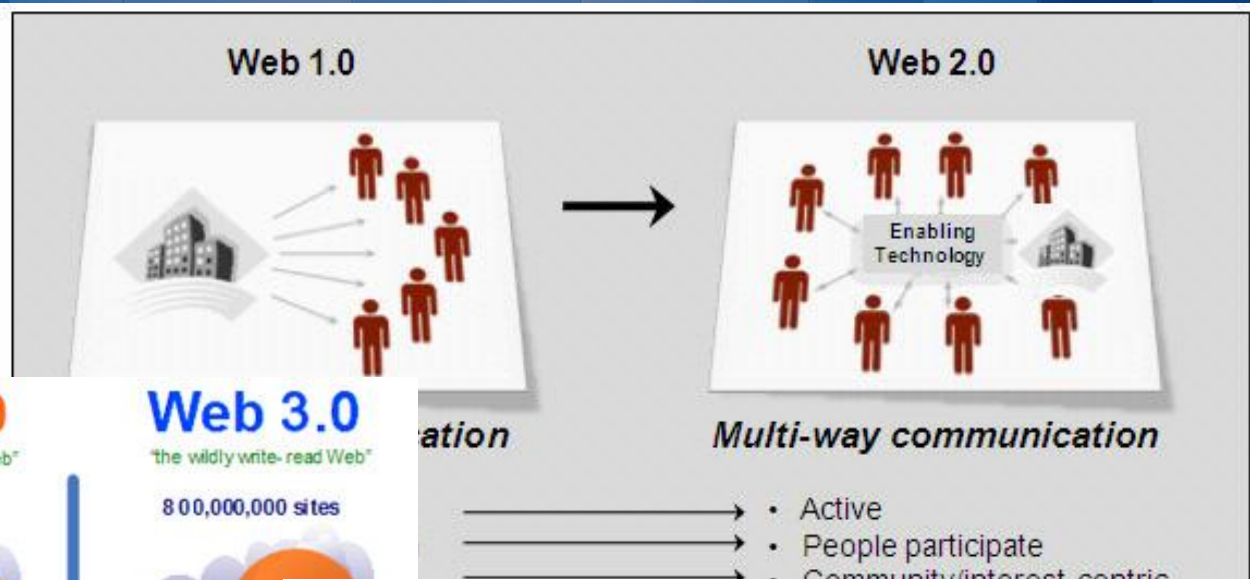


Tahukah Anda Apa itu Web?

- Jelaskan Cara Aplikasi Web, misalnya untuk aplikasi jual beli Online?
- Apa perbedaan signifikan dari generasi Web 1.0 dan Web 2.0?



(REVIEW) Perbandingan Web

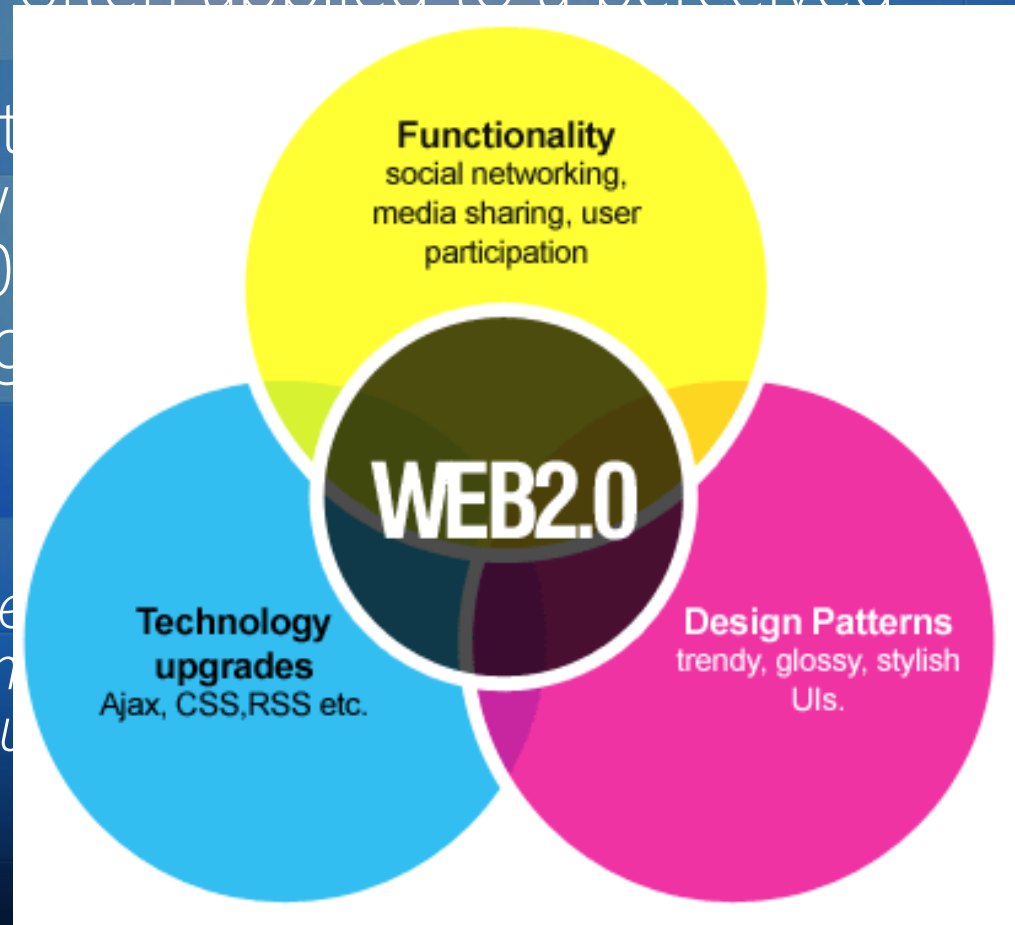


	Web 1.0	Web 2.0	Web 3.0
Communication	Broadcast	Interactive	Engaged / Invested
Information	Static / Read-only	Dynamic	Portable & Personal
Focus	Organization	Community	Individual
Personal	Home Pages	Blogs / Wikis	Lifestreams
Content	Ownership	Sharing	Curation
Interaction	Web Forms	Web Applications	Smart Applications
Search	Directories	Keywords / Tags	Context / Relevance
Metrics	Page Views	Cost Per Click	User Engagement
Advertising	Banners	Interactive	Behavioral
Research	Britannica Online	Wikipedia	The Semantic Web
Technologies	HTML / FTP	Flash / Java / XML	RDF / RDFS / OWL

Definisi Web 2.0?

"Web 2.0 is a term often applied to a perceived ongoing transition from a static collection of websites to a dynamic platform serving web users. Ultimately Web 2.0 is a departure from desktop computing." *Wikipedia*

"The significance of the web empowers teachers and students to create their own content and resources."

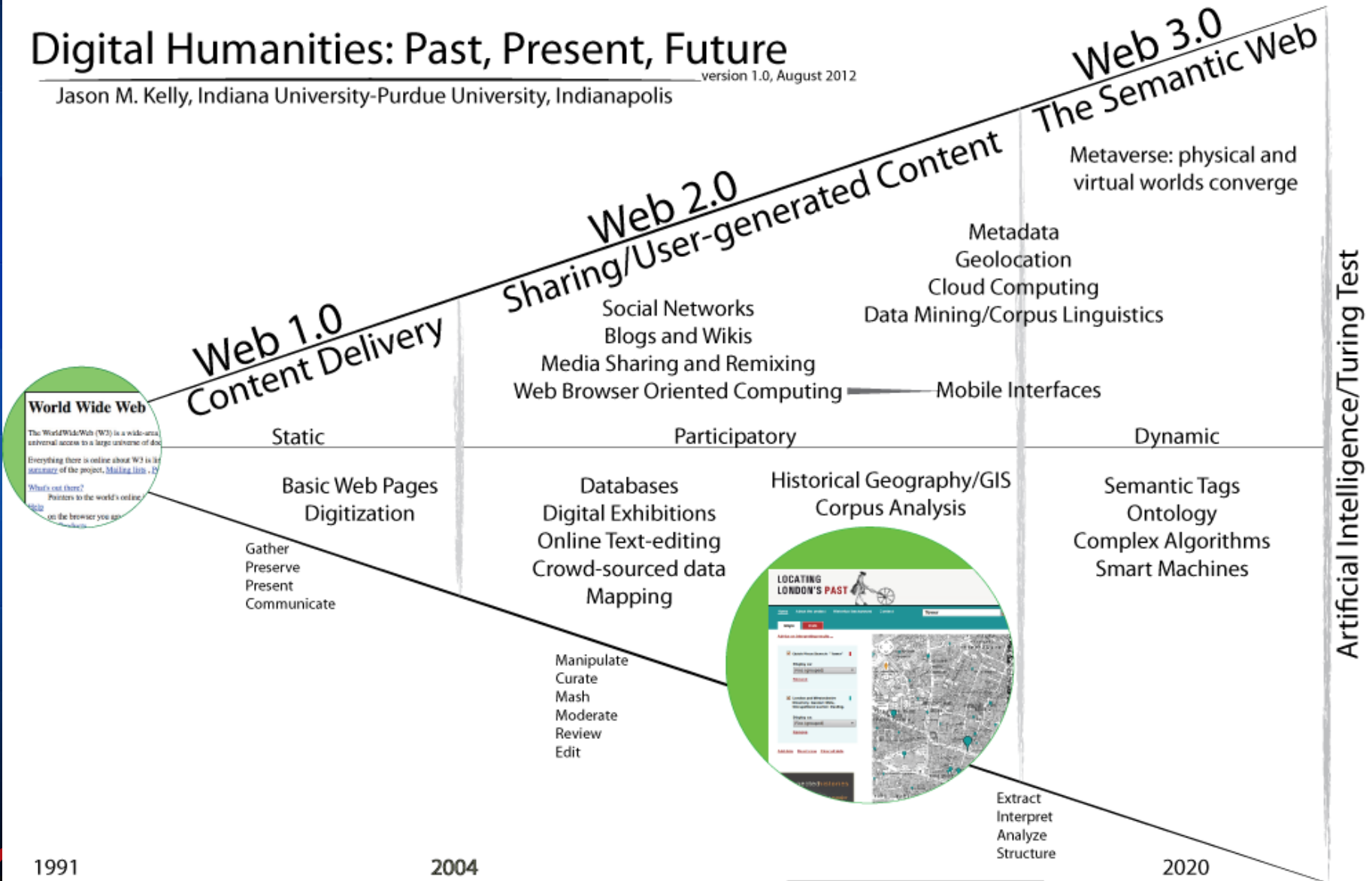


(REVIEW) Perbandingan versi Web

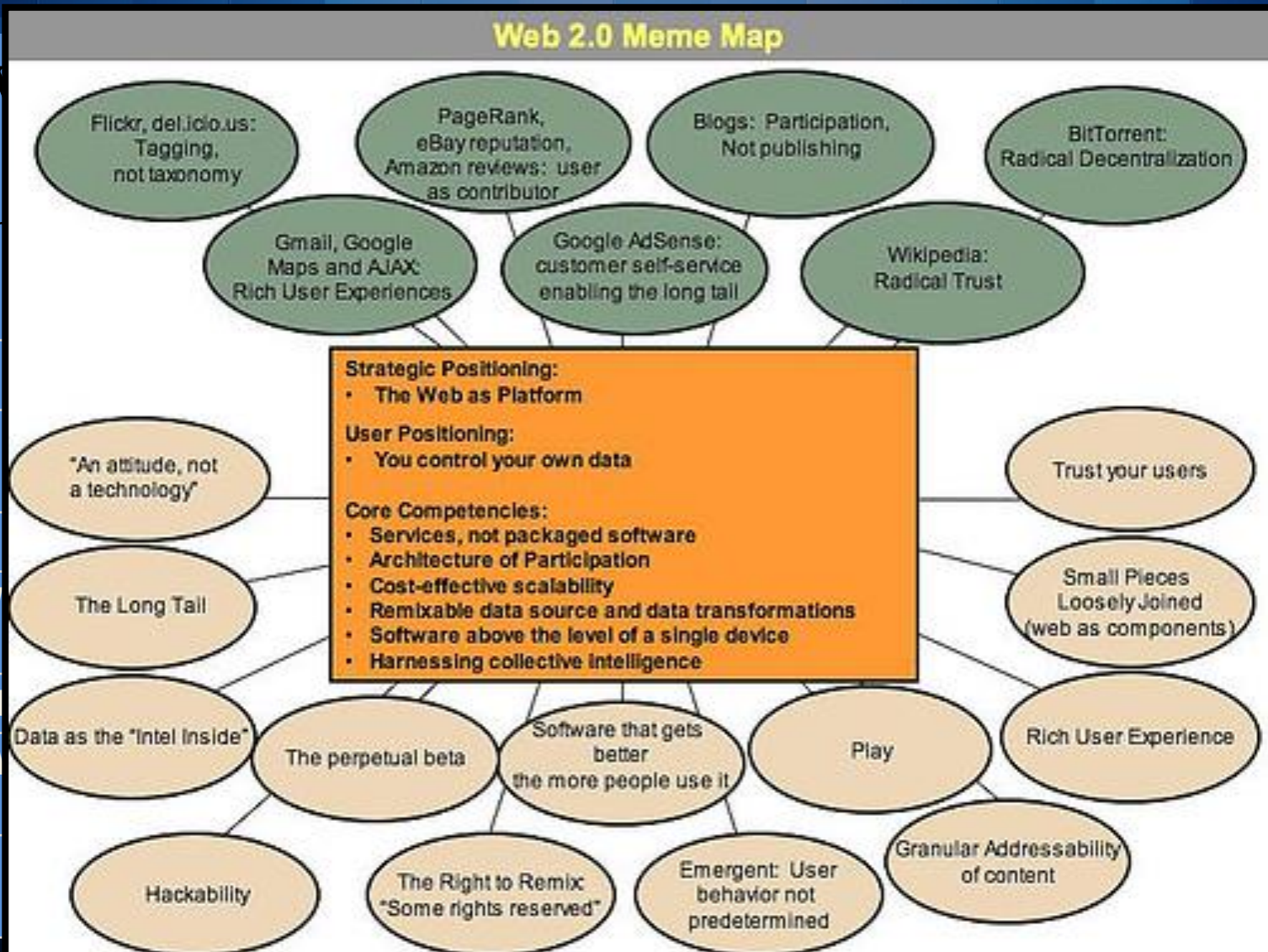
Digital Humanities: Past, Present, Future

version 1.0, August 2012

Jason M. Kelly, Indiana University-Purdue University, Indianapolis



Evolusi Web 2.0 ? Read/Write



Beberapa Istilah penting?

- Web 1.0 focused on a relatively small number of companies and advertisers producing content = “brochure web”
- Web 2.0 *involves* the user. Web 1.0 is as a *lecture* and Web 2.0 is a *conversation*.
- Google, MySpace, Flickr, YouTube and Wikipedia, users create the content, while the sites provide the platforms.
- Web development technologies = Ajax, XHTML, Cascading Style Sheets, JavaScript, the Document Object Model, XML and the XMLHttpRequest object and popular Ajax toolkits—Dojo and Script.aculo.us
- Rich Internet Applications (RIAs)—web applications that offer the responsiveness and rich GUI features of desktop applications
- Key tools for building RIAs = Adobe’s Flex, Microsoft’s Silverlight, ASP.NET Ajax and Sun’s JavaServer Faces
- Other Web development tools and technologies = Adobe’s Dreamweaver, JSON, the web servers IIS and Apache, MySQL, PHP and ASP.NET
- Web services allow you to incorporate functionality from existing applications into your own applications quickly and easily.



Contoh Aplikasi Web 2.0

- Weblogs
- Wikis
- Real Simple Syndication (RSS)
- Aggregators
- Social Bookmarking and Networking
- Online Photo Galleries
- Audio/video-casting



Blogs and Blogging

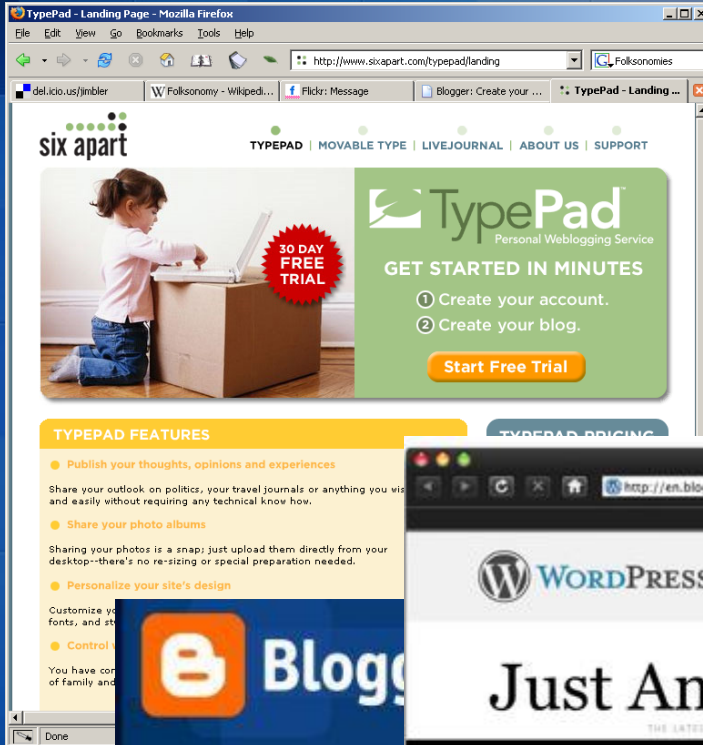
What is a Blog (or Weblog)?

- A frequently updated website, automatically archived.
- Easily updated using any web browser connected to the Internet.
- An online journal or newsletter, consisting of personal thoughts & commentary
- Blogs include links to articles and websites.
- Most blogs allow readers to leave comments on posts.
- Blogs can be authored by an individual or by multiple authors.

{Wikipedia}



Contoh Blog?



TYPEPAD | MOVABLE TYPE | LIVEJOURNAL | ABOUT US | SUPPORT

30 DAY FREE TRIAL

TypePad
Personal Weblogging Service

GET STARTED IN MINUTES

- 1 Create your account.
- 2 Create your blog.

Start Free Trial

TYPEPAD FEATURES

- Publish your thoughts, opinions and experiences
- Share your photo albums
- Personalize your site's design
- Control

You have control of family and...



Blogger: Create your Blog Now -- FREE - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://www.blogger.com/start

del.icio.us/jimbl... Folksonomy - Wikipedia, the f... Flickr: Message Blogger: Create your Blog...

Blogger

Already have an account? Sign in:
Username: jimbl... Password: [masked]
SIGN IN Remember me (?)

What's a **blog**? **TAKE A QUICK TOUR**

1 Create an account
2 Name your blog
3 Choose a template

CREATE YOUR BLOG NOW

A **blog** is your easy-to-use web site, where you can quickly post thoughts, interact with people, and more. All for **FREE**.



WordPress.com » Blog

http://en.blog.wordpress.com/

WORDPRESS.COM

Home Features Blog Support Story Advanced FAQ Forums

Just Another WordPress Weblog

THE LATEST NEWS ON WORDPRESS.COM AND THE WORDPRESS COMMUNITY, WRITTEN BY THE STAFF OF AUTOMATIC

Explore blogs

BLOGS **La Cruz Morcha**
UPDATED AT **Bitacora de Tesis B**
2:55 PM **iPod Photo**

What's a **blog**?

PollDaddy!

WordPress.com » Blog

http://en.blog.wordpress.com/2008/10/15/pollDaddy/



Apa itu Wiki?

"A wiki is a
to add content,
allows anyone to
to the collaborati

The screenshot shows a Mozilla Firefox browser window displaying the Wikipedia article for "Web 2.0". The browser's address bar shows the URL "http://en.wikipedia.org/wiki/Web_2.0". The page features a navigation sidebar on the left with links to the Main Page, Community portal, Current events, Recent changes, Random page, Help, and Donations. Below the sidebar is a search box with "Go" and "Search" buttons, and a toolbox with links for "What links here", "Related changes", and "Special pages". The main content area has a title "Web 2.0" and a notice that "The neutrality of this article is disputed." Below this is a table of contents with sections: 1 Overview, 1.1 Comparison with Semantic Web, 2 Technology, 2.1 Content syndication, 2.2 Web services, 2.3 Server software, 3 Social impact, 4 Business impact, 5 External links, and 5.1 Examples. The "Overview" section begins with the text: "The original conception of the web (in this context, labeled *Web 1.0*) comprised static HTML pages that were updated rarely, if at all. The success of the dot-com era depended on a more dynamic web (sometimes labeled *Web 1.5*) where content management systems served dynamic HTML web pages created on the fly from an ever-changing content database. In both senses, so-called eyeballing was considered intrinsic to the web experience, thus making page hits and visual aesthetics important factors. Proponents of the Web 2.0 approach believe that web usage is increasingly oriented toward interaction and rudimentary social networks, which can serve content that exploits network effects with or without creating a visual, interactive web page. In one view, Web 2.0 sites act more as points of presence, or user-dependent web portals, than as traditional websites."



Bagaimana Cara Kerja Wiki?

Online information

Welcome to Wikispaces - Wikis for Everyone - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www.wikispaces.com/>

Search

WikiLeaks

... could become as important a journalistic tool as the Freedom of Information Act.

— Time Magazine

Get involved [Contact](#) [Donate](#) [Contribute](#) [Follow](#)

[Submit documents](#)

Browse by [Country](#) [Region](#) [Language](#) [Year](#)

Latest Tweets

- Sat, 03 Jul 2010 18:04:08 wikileaks: WikiLeaks vs. Libel Law professor at EU Parliament [bit.ly/93CKoS](#)
- Sat, 03 Jul 2010 14:17:22 wikileaks: WikiLeaks incident shows US needs stronger shield laws | PBS to pbs.org/avrvBB
- Sat, 03 Jul 2010 14:16:31 wikileaks: www.pbs.org/mediashift/2010/07/wikileaks-iphone-incidents-show-that-us-needs-shield-law182.html

In the News

- WikiLeaks in the news (Google) [↗](#)
- WikiLeaks in blogs (Icerocket) [↗](#)
- WikiLeaks on Twitter (Icerocket) [↗](#)

Recent Analyses

- Kundus-Bericht im Internet veröffentlicht
- Is the Internet Filter Australia's Berlin Wall
- TSA to Conduct Full Review After Leak of Sensitive Information
- TSA puts 5 on leave after security manual hits Internet
- Five Transportation Security underlings put on leave after airport screening files posted online

Latest Leaks

- Classified cable from US Embassy Reykjavik on Icesave, 13 Jan 2010
- U.S. Embassy profiles on Icelandic PM, Foreign Minister, Ambassador
- CIA report into shoring up Afghan war support in Western Europe, 11 Mar 2010
- Update to over 40 billion euro in 28167 claims made against the Kaupthing Bank, 3 Mar 2010
- U.S. Intelligence planned to destroy WikiLeaks, 18 Mar 2008
- Turks & Caicos Islands government asks for US\$85M credit line from FirstCaribbean, 28 Jan 2010
- Over 40 billion euro in 28167 claims made against the Kaupthing Bank, 23 Jan 2010
- BBC High Court Defence against Trafigura libel suit, 11 Sep 2009
- Icelandic Icesave offer to UK-NL, 25 Feb 2010
- Final UK-NL offer to the government of Iceland, 19 Feb 2010
- Cryptome.org takedown: Microsoft Global Criminal Compliance Handbook, 24 Feb 2010
- IGES Schlussbericht Private Krankenversicherung, 25 Jan 2010
- Bankers Petroleum and the Visoka oil field explosions 9 Oct 2009
- Scientology UK annual returns, 2008
- Microsoft Office Student License key for Portuguese MOPTC, 2009
- The truth behind Punternet.com, 2009
- Secret recording of the LDS temple endowment ceremony, 2009
- Henry Kissinger's Adelaide: Postfile transcript, 1975

Web Sharing? - Flickr

<http://www.flickr.com/search/>

Web 2.0 includes community-building

support

community-

making it

easy to share photos at

(this seminar)

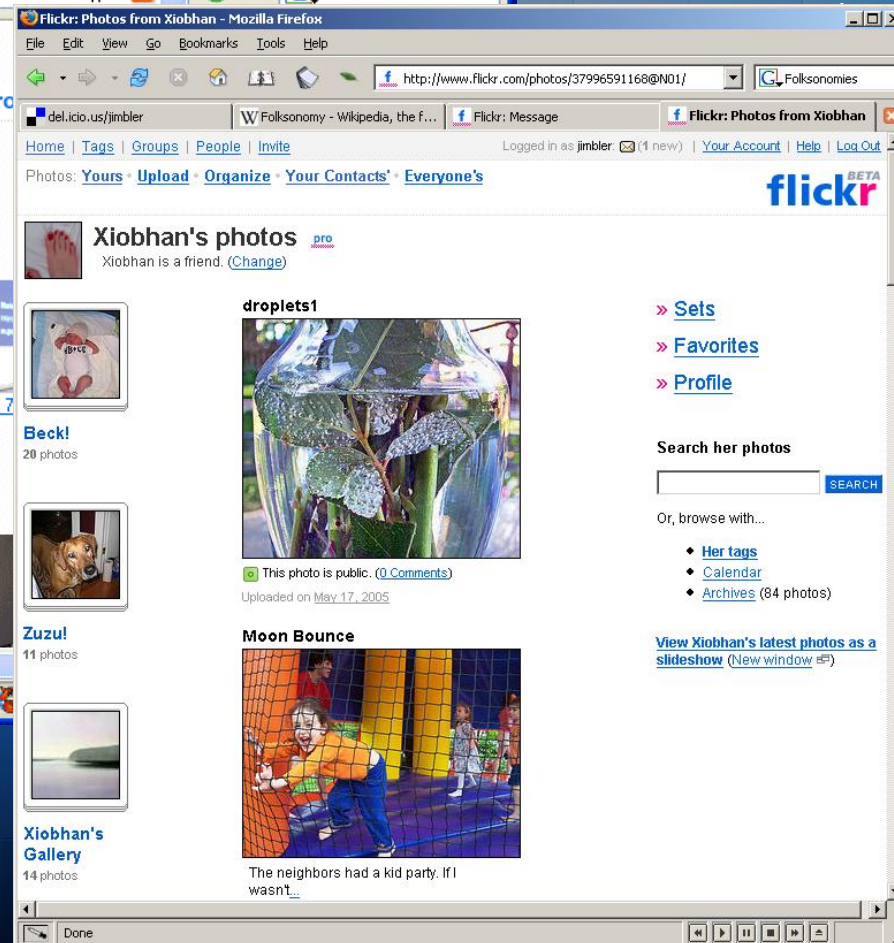
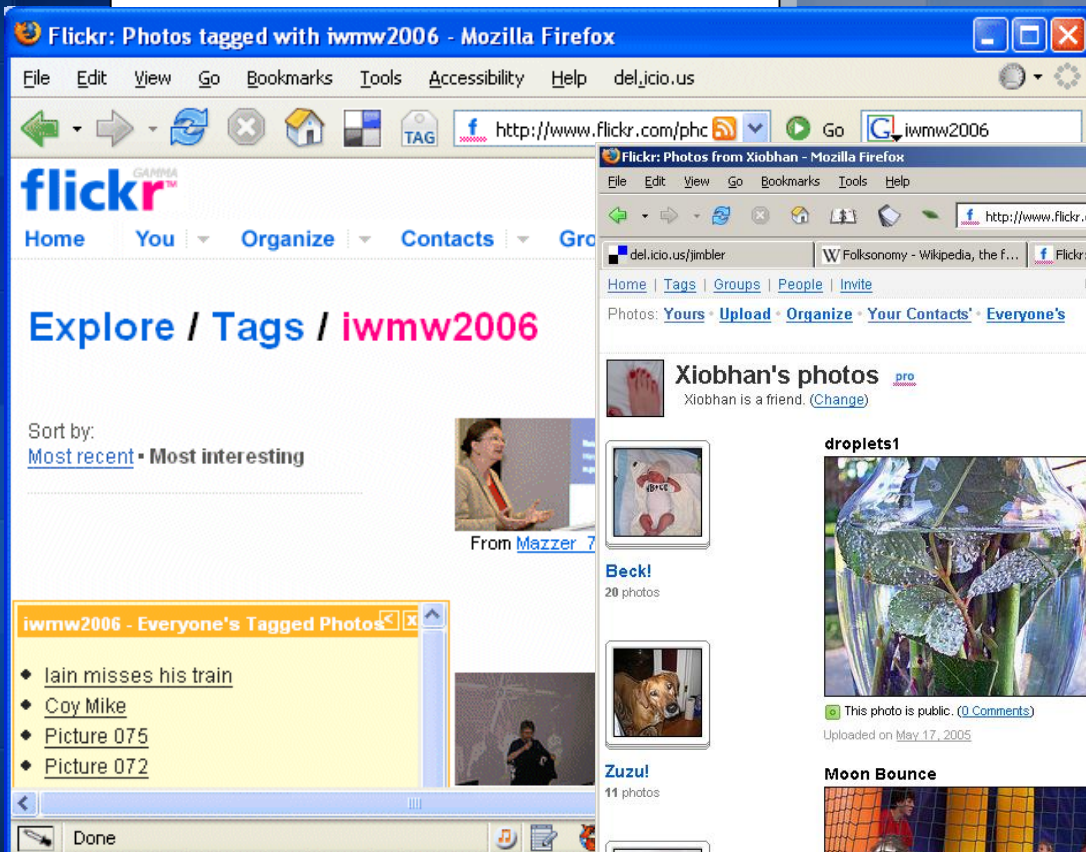
by using a tag e.g.

'2006-12-01'

to tag

so upload their

photos with this tag



Video Sharing

Just as you can add images up to the web you can also add video clips. There are a range of different sites to host video such as:



Apa itu "RSS Feed" ?

"It is an alternative
now exists on the w
for information of i



RSS
thes

If you have, it mea
provided on that p
page (new informa
an update in your l

A screenshot of a web browser displaying the Google Reader interface. The browser address bar shows the URL: www.google.com/reader/view/#stream/feed%2Fhttp%3A%2F%2Frs.detik.com%2Findex.php%2Fnews. The page title is "Google reader". The user is logged in as "agung.sagita@gmail.com". The interface shows a list of subscriptions, with "detikcom (10)" selected. The main content area displays a feed of news items from detikcom. The first item is titled "Priyo: Golkar Siap Berada di Luar Pemerintahan" and includes a logo for GOLONGAN KARYA. The second item is "PKP Terinspirasi Keberhasilan FBI di AS" and features a photo of a building. The third item is "PKS Usul SBY Evaluasi Komunikasi di Setgab Koalisi" and includes a photo of a man speaking. The fourth item is "Menkes Turunkan Tim Investigasi Bayi Putus Jari". Navigation buttons for "Previous item" and "Next item" are visible at the bottom of the feed.

Apa itu "Social Networks" ?



Social networking sites typically let you develop a list of friends (aka contacts).

You can explore their profiles, view their buddy lists and find people with similar interests.



You can perform various online activities: blogging, media-sharing, commenting, etc.

facebook

You can personalize your 'space' easily by changing themes and widgets to make it look different from other people's.



Apa itu "Podcasting" ??

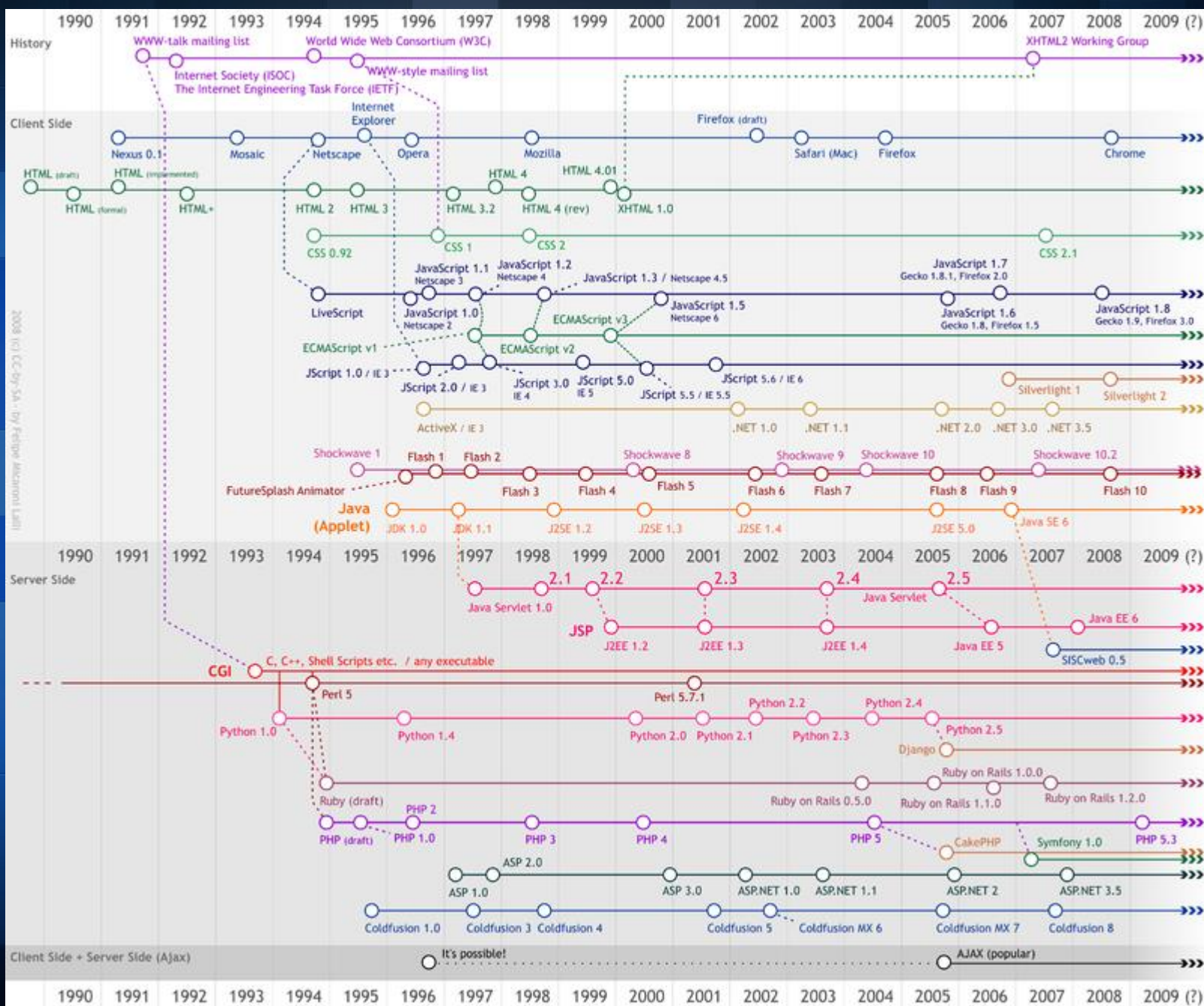
Podcasting, made from Apple's "iPod" and "broadcasting", is a method of publishing files to the Internet, allowing users to subscribe to a feed and receive new files automatically by subscription, usually at no cost. It first became popular in late 2004, used largely for audio

Podcasting does not require special software and/or with most software. Creating podcasts can be done with most software. Podcast files can be hosted on the Internet.



Tools Web Programming ?

Web Service → Web 2.0



2008 (c) CC-by-SA - by Felipe Maciel (Lull)

Type of Website, mana yang Web 2.0?

cari tahu tentang berbagai jenis web berikut!

- Web Portal
- Search Engine
- Webmail
- Mirror Site
- Microblog
- Blog
- Social Media
- Web Forum
- Social Networking
- E-Commerce
- Media Sharing
- News Site
- Video Sharing
- Repository Site
- etc...



Discuss?

- Bagaimana Awal kemunculan Web?
- Jelaskan Pengertian Web 1.0?
- Jelaskan perbedaan signifikan antara Web 1.0 dan Web 2.0?
- Sebutkan dan Jelaskan berbagai tipe aplikasi Web yang populer saat ini? (berikan contoh websitenya)



Mainan #3 “Teknologi Web”

1. Apa latar belakang (sejarah) kemunculan Web 2.0?
2. Sebutkan (min.3) kelebihan dan kekurangan Web 2.0?
3. Jelaskan cara kerja (*pilih salah satu*)?
 1. Wikipedia
 2. RSS Agregator dan Reader (google reader)
 3. Search engine (google atau yahoo)



Link & Book Reference

- <http://www.w3schools.com/>
- Deitel, P.J. and Deitel, H. M., 2008, Internet & World Wide Web How to Program, Pearson Prentice Hall. USA.
- Wikipedia: Web 1.0
- Berbagai sumber "Internet Access" di Google

