#### The Development of Community-based Information System To Empower Indonesia e-Government Implementation

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# Motivation

Indonesia requires proper *e-government* system People will get most benefit and shall experience the real advantages of Internet online system

- Problem : *digital-awareness is low for common people*
- Solution : analyzing social and cultural condition





# Motivation

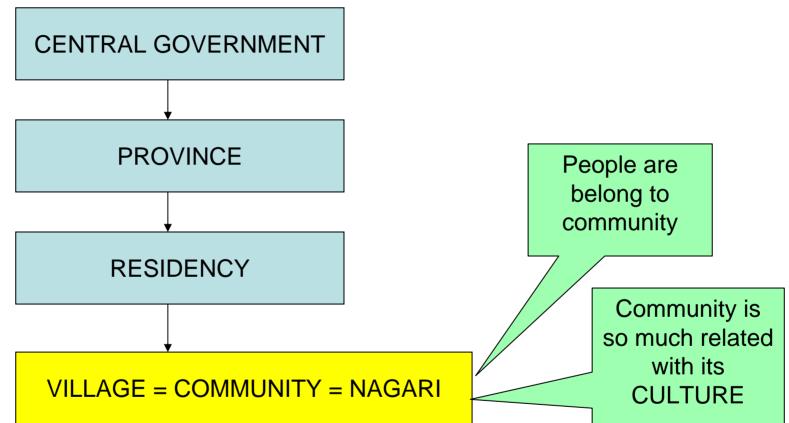
People are living in communities Indonesia consist of thousand islands and thousands communities

- The idea is to empower community by optimizing the benefit of Internet
- Community might behave as the lowest level of governmental hierarchy





## Motivation





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# Main problems

Internet perform many benefits, however, the first step is to attract people (community) for using the Internet

- Internet perform many benefits, however, common people thought Internet for only surfing the web, without accessing more advanced applications
- Then we stand in the middle





# CIS

We develop Community-based Information System (CIS)

The CIS are designed by considering Indonesian societal system <u>which is structured</u> by communities.

- The CIS are formatted based on 1 (one) primary portal that groups numbers of community's webs.
- CIS will contain <u>community's data</u> which benefit either for its society or outer people who visit the



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## Implementation

We study community system behavior in *West Sumatra Province* which groups ca. 530 communities, named *nagari*, as the lowest level of governmental structure.

• The tribes and cultural system of people living in *West Sumatera Province territory* are named Minangkabau.





www.nagari.org : Basic Perspective

SOCIAL FACTS : Nagari is not only reflect the governmental authority but also symbolize the cultural behavior of its resident.

- <u>SOCIAL FACTS</u> : People who is born and living in a *nagari* is having a great sense of belonging to his *nagari*.
- CIS is planned to managing the data in order to support the development of Human Resources and Natural Resources of Nagari



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#### www.nagari.org : Logical Construction

Our concept is to perform *psychological link* between people and their *nagari*, then translatad into Information System.

 Each community should have its own website, representing their *nagari* in digital architecture. Afterward, they are grouped in a single portal <u>www.nagari.org</u>, which plays as main platform

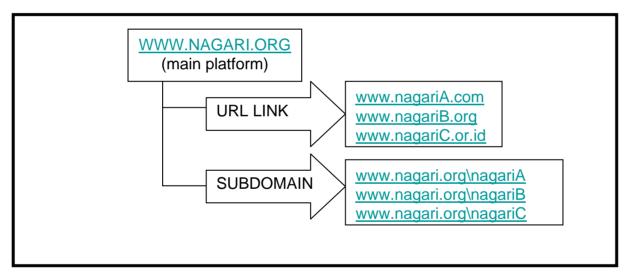
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### www.nagari.org : Logical Construction

# <u>Step 1</u> Grouping the community related with cultural behavior <u>Main</u> <u>Submain</u>







### www.nagari.org : Logical Construction

Step 2 Developing Applications related with cultural behavior

- 1. Applications that record community's donations and report its realization
- 2. Applications that record nagari's physical and nonpsychical resources
- 3. Applications that record people who are born, live and death.





www.nagari.org :

# **Step 3** Information System and Data Management

Communities play main role in CIS system

They act as data manager and data contributor, named promotor

DATA FROM PEOPLE

DATA Managed by Community Represented by A promotor

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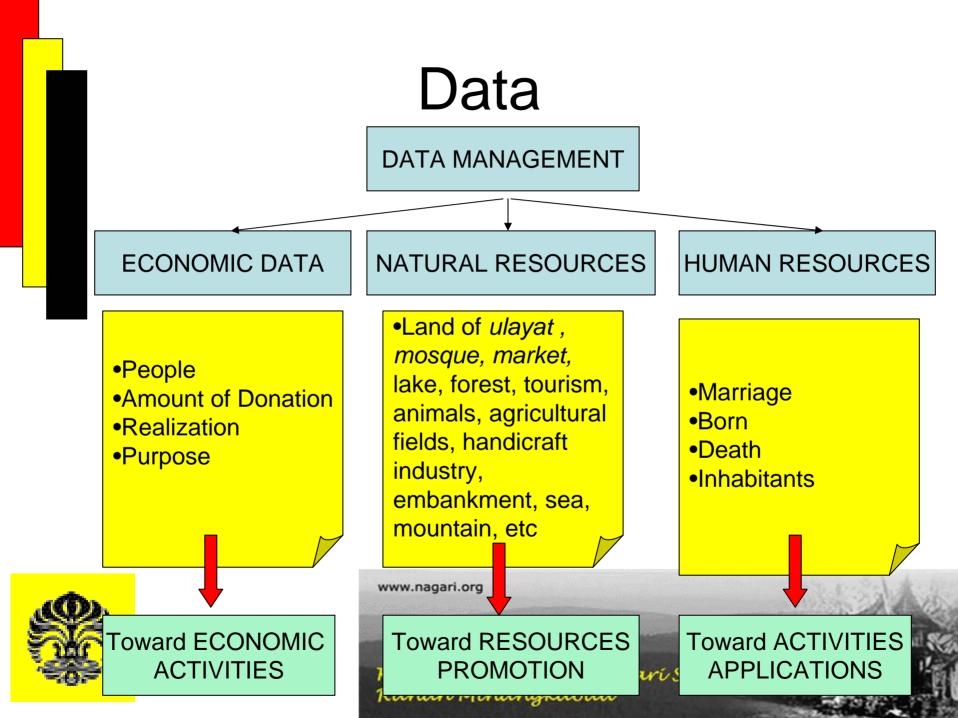


No	Applications	Data	Data management	Verification
1	Community's donation	Who donate	PROMOTOR	COMMUNITY
		Amount of donation	PROMOTOR	PERSON
		Purpose of donation	PROMOTOR	COMMUNITY
		Realization	PROMOTOR	COMMUNITY
2	Resources	Physical	PROMOTOR	GOVERNMENT
		Non-physical	PROMOTOR	GOVERNMENT
3	Residents	Inhabitants	PROMOTOR	GOVERNMENT
		Who are born	PROMOTOR	GOVERNMENT
	www.nagari.e	Who are death	PROMOTOR	GOVERNMENT
		Who are marry	PROMOTOR	COMMUNITY

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ALL PARTIES ARE INVOLVED





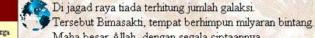
#### NAGARI SAIBER TANIUNG SUNGAYANG

Promotor: Abraham Ilyas Malayu-Mandailiang Suku : info@nagari.org Email

#### KEMBALI KE KABUPATEN

#### NAGARI in ENGLISH VERSION KEMBALI KE HALAMAN UTAMA

#### LIHAT KAMPUANG



Nagari Saiber (WNS) yang di kampuang dan di rantau.

zuna meningkatkan pendidikan kamanakan di kampuang untuk

KEMENAKAN

memiliki prestasi di sekolah.

 ALHAMDULILLAH ucapkan pujian kepada Allah karena

mendapat kebahagian, tamat pend, menikah, kelahiran dab.

 INNALILLAHI wa imna ilaihi rojinn. Telah kembali ke hadhirat Allah, mendahubui kita sermia

 KABA BARITO dari kampuang. Silakan kirimkan barito kepada promotor.

 PASAR nagari Silakan tawarkan dagangan anda. Untuk pelaksanaannya hubungi kami.

- PETA LOKASI

- LAPAU KOPERASI

NAMA, dan alamat Warga

SUMBANGAN dama

mencapai Nobel 2030

- PAMERAN FOTO
- FOTO FOTO
- PENDIDIKAN SDM
- SEJARAH TAMBO
- PEMANGKU ADAT
- PMRTH NAGARI

Maha besar Allah, dengan segala ciptaannya. Matahari, bintang yang terpilih, dikelilingi planet-planetnya; diantaranya bumi.

Laksana benteng perkasa di sebelah barat daratan bumi pulau Sumatera, berjejer pegunungan Bukit Barisan.

Di antara lembah-lembah Bukit Barisan ini, di kaki gunung Soda tempat Siamang dan Simpai berlompatan, Barau-barau ditingkahi Murai berkicau di kala fajar menyingsing.

penerima bessiowa. Distantikan yang Tenggiling dan Landak berjemur saat matahari sepenggalan, surganya margasatwa; tepatnya di balik bukit Kayu nan Sebatang terhampar negari Tanjung-Sungayang yang dikelilingi sungai-sungai Selo Tongah, Batang Selo, Batang Silambiang, Batang Kalano, dan Batang Talang, Airnya jernih, ikannya banyak, udangpun berenang ke hulu-hulu sungai itu.

> Sungai mengalirkan air dari celah-celah batu ke petak sawah yang berjenjang-jenjang dari kaki bukit. Penduduk menyebut mataair tersebut sebagai "minang" atau "inang" yang berarti memelihara kehidupan. Tiada hidup tanpa air



🚬 🥙 Sawah yang dibajak dengan tarikan kerbau. Ketika itu kerbau menjadi simbol kemajuan. Dari sinilah asalnya perkataan Minang-kabau yang maksudnya "memelihara" serta "memajukan" peradaban.

Sumber air sering pula disebut "luhak" yang berpasangan dengan "rantau". Dari rantau banyak yang dapat ditiru-dibawa untuk kemajuan kita. Bersatunya luhak dan rantau, itulah tanah-air kita saat ini.

Tanah dan air, sumber kehidupan warisan dari nenek moyang kita.

Dahulunya nagari Tanjuang ini adalah sebagian pojok surga yang ditampakkan Tuhan di muka bumi. Bumi-senang padi-menjadi hewan-berkembang ternak-berbiak itulah ucapannya

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# www.nagari.org

**Step 4** Government and Society Involvement

www.nagari.org is established by joint cooperation with parties which concerns to traditional culture (DATUK SODA) and communities/economic building (PKSBE UNAND)

- CIS can empower societies (community development) as long as Government join in the system by building any related applications
- The success of CIS depends on society involvement since they are the data manager



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# Conclusion

The development of CIS <u>www.nagari.org</u> is a pilot scheme that groups communities in West Sumatra, Indonesia

- CIS can empower e-government that can be applied uniquely related to countries / provinces.
- The concept is merely to put attention with customs and cultural behavior of community, and make society as part of data management





### Contact

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