the ICT Mastery on Young People How Cultural Values Shift Due to in Indonesia?

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INTRODUCTION (3)

 Indigenous cultural value is one of the factors that can make ICT related behavior in Indonesia different with other countries.

Schwartz's 10 Values (2006):

Self - direction

Theory of Basic Human Values (Schwartz, 1990, 2006). INTRODUCTION (4): The 10 Values

Schwartz, 2006, p. 3). Values drive behavior, and determine the direction of human behavior. Values refer to desirable goals that motivate action

- In Indonesia, the research related to new relationships and changes in human behavior due to the newly affordances of technology is still
- This study is a preliminary exploration study from a larger research project, aimed at describing the behavior of ICT in young generation associated with local culture value.
- The initial exploration was conducted in a junior high school located at Kalimantan (Borneo).

Power

Achievement Hedonism Stimulation

9. Benevolence 8. Tradition 7. Conformity 6. Security

10. Universalism

Cultural shift, illustrated in Pang (2013)

cover page

INTRODUCTION (I)

- In Indonesia, internet and mobile technologies have been a newly alfordances of technology, used by people from different social economic, and education levels.
- In everyday life, it was observed that people activities being different than before the arrival of these technology.
- (e.g., Hansen, Postmes, van der Vinne, & van Thiel, 2012)
- The effects of supplying laptops to children in Ethiopia: More individualistic in values, but was not always associated with a reduction in collectivist values.

- Shifting of behavior or values has been studied by researchers in many countries.

 relationships with information technologies are Some issues related to the cultural shift (Pang. 2013): capacities; tremendously deep and express unique human

INTRODUCTION (2)

- the world has become a more distracting place, and there might be solutions for bringing the extended mind back under control;
- 3) it is necessary to be contemplative about technology;
- 4) the people can redesign their extended mind.

INTRODUCTION (6)

INTRODUCTION (5): The Cultural

individualism-collectivism; uncertainty

Values (Hofstede)

Basic Human Values potentially affect the behavior of ICT related issues >> but has never been considered as influencing factor. Factors that have been considered:

perceived of usefulness, and perceived ease of used (Technology Acceptance Model -TAM) (024th, 1989, Venhatesh & Davis, 2000).

Schwartz's and Hofstede's theory of

→ Hofstede → [individualism vs] collectivism

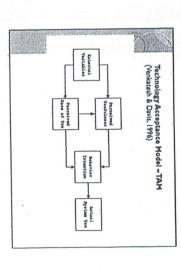
Schwartz → conformity, tradition and (the most widely used).

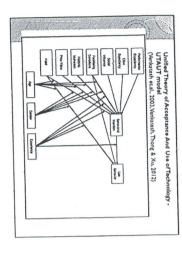
benevolence.

values:

task orientation vs. person-orientation avoidance; power distance (strength of social hierarchy), masculinity-femininity,

 cultural values, such as habit & hedonic motivation (Unified Theory of Acceptance And Use of Technology - UTAUT) model tesh, Thong & Xu, 2012).









METHOD (4): Procedure

Preparation

Data collection: informed consent Questionnaire development

Filling in the questionnaire in the class (during I hour learning session)

Semi-structured Interview/Focus group discussions (FGD) (12 students who were randomly selected) to deepen the results obtained from the questionnaire.

- Questionnaire:
- Multiple choices → descriptive statistical
- Essay \Rightarrow textual coding analysis & descriptive statistical analysis.
- Semi structure interview/FGD:
- Transcription → qualitative descriptive

METHOD (I): Research Setting

Research setting

Data Collected from P city, Kalimanatan (Borneo)

City "P" (Bappeda Kota Pontianak, 2011):

Capital city of West Kalimantan.
Population: 565,856 (55,629 adolescents: 159,146

Occupation: business, services, and industries.

Ethnicity:
Chinese (21.%)
Halpy (26.1 %)
Bugis (13.1 %)
Joinnese (1.7 %)
Madurese (6.4 %)
the rest of others (Dayak etc.).

METHOD (2): Participants

150 students in a private junior high school in City "P" (students' family background represent the biggest proportion of the

average age: 14 years. population in city "P").

77 (51%) male, 73 (49%) female

139 (93%) were native born in city P

136 (91%) lived with their parents.

METHOD (3): The Questionnaire

"Mobile & internet technology for high school students Questionnaires" (5 of 9 parts):

Demographics.

Device attegory for internet and mobile technology. Changes in behavior after using the internet and mobile technology.

Human values which are developed based on ten basic human values (Seaver 2, 2004). Asking to give a rank from I to 10 toward the list.

Nine dimensions of technology acceptance questionnaires (informed by Venkatesh et.al. (2003, 2012). Limayem and Hirt (2003), and Cheung and Limayem (2005)].

Analysis (1): Basic Human **Values**

The rank from the most important to the least important of values:

I. Independence

Achievement
Benevolence
Safety feeling
Universalism
Conformity

7. Tradition
8. Hedonism
9. Stimulation
10. Power.

Analysis (3): The Shift in

Culture

Collectivism: eagerness of people to place the group concern above the individual interest.

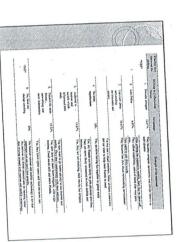
 The shift were shown from the question asked."Do you observe your friends have changed after they used internet and mobile technology! Please explain." There has been a clear shift in cultural dimensions of collectivism values among the participants.

Two main answer: "yes, they are changing" (70%)
"no, they don't change" (30%).

The explanation for their answers:
 Four categories to answer "yes"
 one category for "no" answer.

Analysis (2): The Shift of Culture

Shift in Cultural Dimensions of Collectivism Values and Other Concern (the following table)



Analysis (5): The Shift of Culture

Analysis (4): The Shift of

Culture

Implicit subjective meaning in collectivism:

nodesty and humbleness -> participants observed that quite
a lot of their friends who are becoming arrogant since they
are using the internet and mobile technology.

 Collectivism culture also implied meaning of mutual concern and real join activities -> their peers became no longer care about oodal environment, and do not care about carry but join activities. mutual respect, good manners and courtesy \Rightarrow since the use of the Internet flourishing, some of their friends become less well mannered in their attitude. There is a clear shift from collectivism to Individual culture dimensions due to the internet and mobile technology.

The charges in terms of solvewment diminished interest in learning and believement since they opposed to the internet and mobile technology, fur also quitine charges. (showed them to satochates with wider horizons and more steryorkers):

manners in the use of internet and mobile technology when they meet with their grandshoter or grandmother, I1 of the 12 FCD participants said that they would not use internet and mobile technology when they met grandparents. ugh there is a bind of ICT, especially in the case of internet and mobile tool or which has the potential to disrupt the student dearning process, there solves grap or self-regulation and maintenance of immers as well.

We then you with the tempsation to use internet and mobile sechnology with the tempsation to use internet and mobile sechnology with the tempsation to use internet and mobile to control use they grap with the tempsation to use internet and mobile technology.

Conclusion

The new affordances technology naturally became part of the adolescent's lives.

The participants perceived a clear shift in cultural dimensions of collectivism values.

By using Schwartz's (2006) theory of human value, independence and achievement value, while first and second most important became the first and second most important values, while benevolence, conformity and tradition were placed in the number 3, 6 and

Correspondingly, by using Hofstede et.al. (2010) concept of human culture, collectivism value shifted to more individualistic in nature.

The use of internet and mobile technology ightarrow changes in the social relations and cultural

the real dimension of collectivism to a somewhat

similar to cyber-collectivism,

the use of the technology requires users to focus on the tools not the social environment around them > the original culture more of collectivism evolve into more of individualism.

Analysis (6): Technology Acceptance findings *) 1-2 = low: 3-5 = medium: 6-7 = high A.53 1.44 1640 5.61 1.10 Fagh 4.05 1 12 niednin 1.0th high 1.10 1 49 Angellium

Conclusion (2)

 The cultural shift could be interpreted from the technology acceptance findings.

 The participants' individual-focused orientation (performance expectancy, and hedonic motivation) were categorized effort expectancy, facilitating condition, as high

DISCUSSION (I)

Research implication: Explanatory models of ICT influenced cultural shift phenomenon in Indonesia, which has the generation in Indonesia. cultural values amongst the young potential of predicting future techno-

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Thank you

DISCUSSION (2)

- Predictable changes:

 The trend of using ICT, especially the internet and mobile phones among teenagers as well as adults will increase.

- A change in the values of the original culture will increasingly from collectivism to individualism.
 Adolescent relationship which initially dominated by the direct or face to face relationship become more virtual in nature.
- , There will be an increase in the phenomenon of "distraction addiction" (a term introduced by Pang, 2013) on the future younger generation.

DISCUSSION (3)

Research limitation: conducted at only one school in one city in Indonesia, a preliminary picture of the behavior of adolescents in Indonesia related to and mobile technology. acceptance of ICT, especially the internet