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Anti Vaccination Movement in Indonesia: Belief, Knowledge, Attitude And Action

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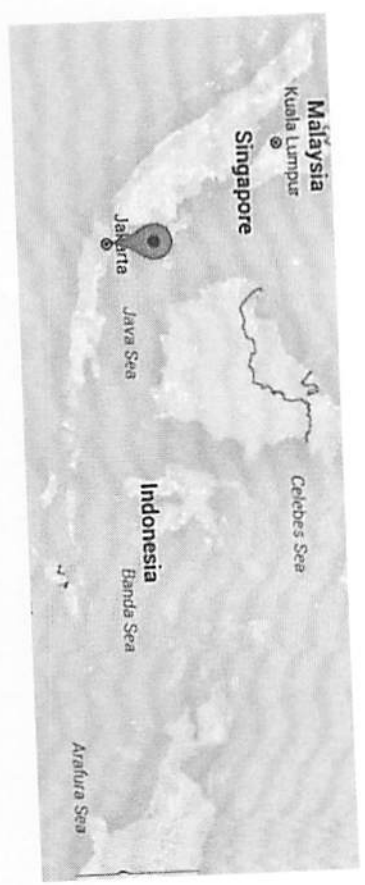
Area and Diversity

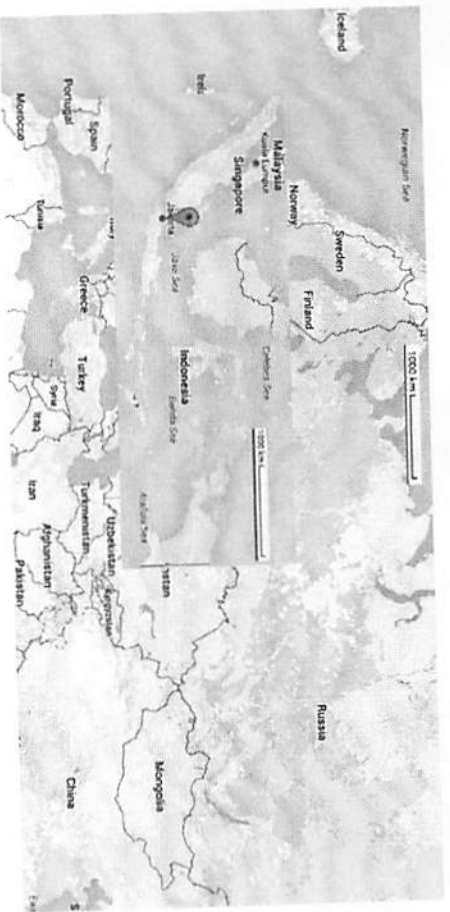


Background

Indonesia: Contextual that related to research

- History:
 - Budhish, Hinduism, and Islamic Kingdom in Nusantara (Modern Indonesia and Malaysia)
 - Portuguese traders 1512-1610, Dutch traders (VOC) 1602-1800
 - Dutch East Indies 1 January 1800-9 March 1942
 - (defacto control some part of Islands in current Indonesia)
 - Japanese occupation: 9 March 1942
 - Independence declared from the Netherlands: 17 August 1945
 - United States of Indonesia (USI): 27 December 1949 - 17 August 1950 (Dissolved)





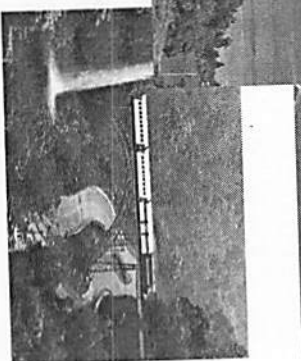
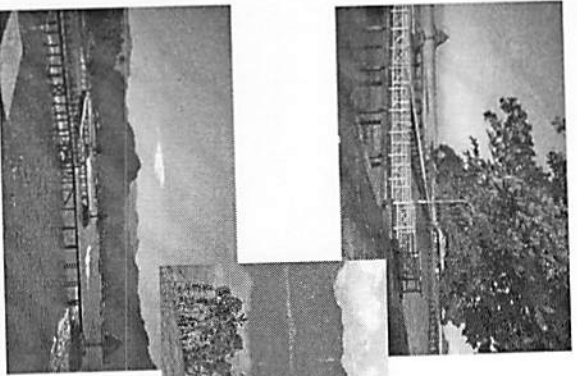
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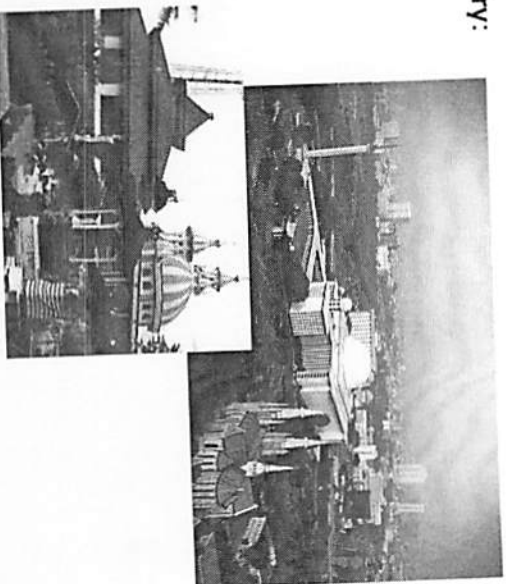


- **Population:**
 - 237.64 million (2010 Census)
 - 255.4 million (2015, Indonesian Bureau of Statistic Estimation)



• **Religion in the Country:**

- Officially recognised:
- Islam
 - Protestantism
 - Catholicism
 - Hinduism
 - Buddhism
 - Confucianism



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Belief, Social Norm and Politics

→ Blended

- Belief in the one and only God (*Ketuhanan Yang Maha Esa*).
- Just and civilised humanity (*Kemanusiaan Yang Adil dan Beradab*).
- The unity of Indonesia (*Persatuan Indonesia*).
- Democracy guided by the inner wisdom in the unanimity arising out of deliberations amongst representatives (*Kerakyatan Yang Dipimpin oleh Hikmat Kebijaksanaan, Dalam Permusyawaratan Perwakilan*).
- Social justice for all of the people of Indonesia (*Keadilan Sosial bagi seluruh Rakyat Indonesia*).



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Anti vaccination

→ Movement?

- Organization: -
- Social Media
- Books and Media Opinions

STOP!



KEJAHATAN VAKSINASI



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Vaccination/

Immunisation Program

- National Program
- Compulsory
→ Without punishment
- UCI: 46.2% (2007), 53.8% (2010)



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- In modern industrialized countries, scholarly knowledge taken from opposition to vaccination had been widely observed:
 - The issue of vaccine side effects
 - Religious beliefs
 - Individual rights to refuse vaccination.

- In Indonesia, also experienced with anti-vaccination:
→ Religious or belief issues may come into discussion



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Aim

- The research aims to explore deeply the reasoning of the people in Indonesia:
- Who oppose the vaccination
- What their belief & knowledge
- What and how their attitude and action



Method

To collect preliminary data:

- An online survey
- Covering demographic background
- Opinion on vaccination
- Willingness to participate in the qualitative study

Qualitative study → in-depth interview

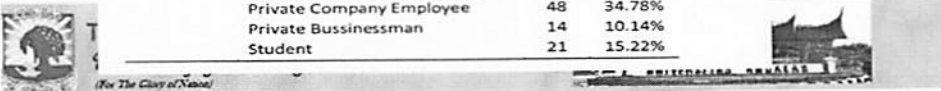
- Fourteen people were willing to participate in the qualitative study voluntary :
- Interviewed using grounded theory approach
- Analysis the data thematically
- Presented both narrative and descriptively.



Results and Discussion

Table 1. Overview of Demographic Feature of Participants

Variable		f	% (f=138)
Gender	Man	80	57.97%
	Woman	58	42.03%
Age	< 20 years	6	4.35%
	20-29	57	41.30%
	20-39 years	63	45.65%
	≥40 years	12	8.70%
Education	Medium (High School)	37	26.81%
	High (College or University Graduate)	101	73.19%
Field of Education	Health	17	12.32%
	Religion (Islamic Studies)	7	5.07%
	Law	8	5.80%
	Social, Economics and Humanities	46	33.33%
	Science and Engineering	39	28.26%
	Education	6	4.35%
	Agriculture and Animal Science	15	10.87%
Main Occupation	School Teacher	11	7.97%
	Lecturer	21	15.22%
	Health Officer	13	9.42%
	Government Officer (Administrative or Beuracracy)	10	7.25%
	Private Company Employee	48	34.78%
	Private Bussinessman	14	10.14%
	Student	21	15.22%



From 138 participants surveyed:

→ The reasoning for rejection

to vaccination was mostly came from:

- Their own perception on scientific evidence (53.62%)
- Followed by adherence to religious issue (46.38%).



From 14 participants interviewed:

- The study reveals that the media provides the information of their reasoning for rejecting vaccination (68.12%)
- Only 12.32% reflects their compliances to religious teachers for refusing vaccination.



Beginning of anti vaccination

- After read in online media
- Taught by religious teacher
- Looking at the reality and information in media, such as the fact of diphtheria outbreak in Indonesia
- Curiosity never getting answer

Table 2. Experience in Opposing to Immunisation

Experience in Opposing to Immunisation		f	% (n=138)
Timing Opposing to Immunisation	Current	117	84.78%
	Previously	21	15.22%
Main Reason to Oppose Immunisation	Religion	64	46.38%
	Science or evidence	74	53.62%
Source of Information	Media, including Online Media	94	68.12%
	Popular Book	24	17.39%
	Religious or School Teacher	17	12.32%
	Parents and Family	3	2.17%

Table 3. Thematic Reason on Opposing to Immunisation

Reason	% (n=14)
God has created perfect human body	35.71
Vaccine contain dangerous substance	35.71
Human Body has complete natural immunity	28.57
Vaccine contain forbidden material, eg: porcine	21.43
Inadequate information of vaccine substance	21.43
Vaccination and immunisation come later after human life for millions years	21.43
Vaccination is a conspiracy (Western or business)	14.29
No guarantee after having immunisation	14.29

Some quote from participants

"In old days, our ancestors living without vaccination, they were more healthy than the generation who live with many vaccination" (Inf3).

"Human is the best God creation, and He must already prepare in our body to against the diseases which also natural" (Inf5).

"I believe in natural things, such as breastfeeding and natural food which are very important for human body immune system. The problem is the immunisation and vaccination especially never been talk clearly by the health officers: they were only force people to do by frightening them" (Inf10).

"Claim of the benefits and successful of the vaccination are lacking of scientific evidence. Look at the fact, many vaccination now but many diseases appears. If there were fatal cases post vaccination, health officers try to cover it up" (Inf14).

Conclusions

- Our study indicates that scientific reasoning in opposition to vaccination withdrawn mostly from the media argumentation, which had been used to support their self justification and religious reasoning.
- Health promotion and multidiscipline partnership is needed to overcome this challenge.

- All interviewed participants believe that:
- Along with their self-justification on scientific evidence from the media, vaccine contains porcine derived substances or other religiously forbidden materials and dangerous chemical or biological materials.
 - For some participants non-active microbial ingredients on vaccines were also assumed, but they perceived the substances as weakening immunity and provoking disease vulnerability.

Thank You