

## Contact

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## Study background

This data are part of PhD project of D. Daniel and supervised by Dr. Saket Pande and Prof. Luuk Rietveld. The study is about household water treatment behaviour in 2 rural areas in Indonesia: Palu and Sumba. There are about 202 and 370 households were interviewed in Palu and Sumba, respectively. The baseline study was conducted in June – August 2018 in both locations.

In the baseline questionnaire, there are questions about:

- a. socio-economic characteristics of the respondents, such as education, questions related to wealth index, belief, access to water, type of water sources, the incident of diarrhea, etc.
- b. Household perceptions or psychological with regard to household water treatment behaviour or practice.
- c. Questions related to household water treatment behaviour or practice, such as questions related to risk perceptions, social norms, or attitude towards the behaviour.
- d. Questions related to general sanitation and hygiene practices.

The follow-up study was conducted in July 2019, but only in Sumba. In the follow-up study, there are some new questionnaires asked: questions related to stakeholders and willingness to pay for potable water and sanitary inspection data, i.e., hygiene practices, sanitation, water management, water source's microbial quality, and household drinking water microbial quality. We re-visited the households (but not households were at home at the time of re-visit), so we can link the baseline data with the follow-up study data.

## Data category

The data can be categorised into four categories:

1. The questionnaire used for the interview following the Open data kit (ODK) formats (in Excel format).
2. Raw data of the interview results, i.e., output of the ODK software (in Excel format).
3. Selected data for statistical analysis (in SPSS software format).
4. The Bayesian Belief Networks (BBN) model of all analysis used during the PhD project for both Palu and Sumba

The raw data of the interview results (2) is connected to the questionnaire (1). The column ID in the raw data (2) is similar to the column "name" in the tab "survey" in the questionnaire (1). The meaning of the raw data (1) is similar to the choices in the tab "survey" in the questionnaire (1). More detail information on ODK can be found online: <https://docs.getodk.org/>.

Information about the data collection, data analysis, interpretation of the data, etc., can be found in the publication of D. Daniel (<https://orcid.org/0000-0002-2664-2517>).

### **Ethical notes**

This study was approved by the Ethical committee of Delft University of Technology and obtained permission from the district agency. We also removed all respondent's name from the datasets. Before using the data for research purpose, we suggest user/researcher contact us and cite this datasets or our publication. We strongly resist using the data for other purposes besides scientific research.