



TanRabad is a software suite that supports mission of public health officials for the prevention and control of any infectious diseases. It currently consists of 6 main applications to enable the risk management of Aedes-borne diseases such as Dengue, Chikungunya and Zika.



WATCH

real-time and interactive visualization for epidemics of infectious diseases



SURVEY

real-time larval survey data collection and larval index report



REPORT

on-demand regularly-used report production



BI

on-demand report generation based on area and time dimensions



QUALITY

on demand larval survey data manipulation to improve its quality



ALERT

real-time notification for risk of infectious diseases



Contributions

- timely identification of high-risk larval habitats for an effective elimination of larval habitats and prevention of diseases in risk areas
- supports the prevention of epidemic re-occurrence and control its spread
- supports the generation of relevant strategy for disease prevention and control

Innovation Statement

- integration of place name similarity and nearby location to suggest potential villages
- assessment of poor larval survey data to improve data quality
- finding village centroids by selecting potential building geolocations
- real-time and hierarchical larval index processing
- fine-grained data processing to better detect disease cluster & generation

Target Customers

Partner

Department of Disease Control



Public Health Officers



Entomologists



Epidemiologists



Researchers



Executives



Citizen

