

## ABSTRACT

### APPROPRIATE DATABASE DEVELOPMENT FOR SURVEILLANCE SYSTEM DIPHtheria IN HEALTH OFFICE SURABAYA CITY

This research is an action research that can be said to arrange new system that replaces previous system totally or correcting present system, that overcome the collections and storage problem of developing database in diphtheria's case tracer at District Surveillance of Health Office Surabaya City.

System development was started with determining the system's requirement, system design, software and hardware that used with expected to provide the information required by the user.

Database development's result was tried to surveillance's staff, from this trial, we found that almost all information were required by users. And it can be completed. One of them was frequency of patient based on person, place, and time. The patient frequency based on age, category, gender, immunization status, number of patients from clinical diagnostic, cross tabulation between gender and clinical status and planning of medicine and laboratories requirements.

The next system development will be expected can give a confirmation about diphtheria's outbreak, mapping area of diphtheria's spreading and village immunization range's assessment.

Keywords : diphtheria, database, case tracer