**SPATIAL ASSESSMENT OF CLIMATE CHANGE IMPACT FOR DENGUE FEVER DISEASE DISTRIBUTION IN EAST JAVA PROVINCE: CASE STUDY UTILIZATION OF GEOSPATIAL INFORMATION FOR PUBLIC HEALTH**

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ABSTRACT: Some of climate change effects have been appeared, such as increasing average temperature of the earth, anomalies of rainy and dry season and so on. Therefore, it is important to do more observation, in-depth research and analysis related to climate change influences on human life. This research is as an example to assess climate change impact for dengue fever disease occurrences (especially precipitation, temperature and humidity). Dengue fever disease has occurred in all parts of Indonesia and having many victims had died. It is understood that climate change caused the changes the weather. The weather changes will affect to certain ecosystems or species such as mosquitoes. Changes in specific ecosystems or species were cause changes in the host-agent-pathogens relationship and the spread of infectious diseases such as dengue fever, malaria and so on. Method of this study will use statistical data analysis as well as spatial analysis. The spatially information can be more easily understood by public and policy makers than numbers or tables. So that public could be able to anticipate the spread of the dengue fever disease.