

ABSTRACT

The Community Health Center (Puskesmas) is a functional health organization, which is a community health development center that also fosters community participation in addition to providing comprehensive and integrated services to the community. Puskesmas is a health unit funded by the government and is a unit that is a reference for the community in carrying out health checks. Puskesmas has the task of implementing health policies to achieve health development goals in its working area in order to support the realization of healthy health centers. As the first health facility in providing health services in a work area, the Puskesmas is often visited by many patients who come at the same time. The number of patient visits that are too many are sometimes inversely proportional to the health workers who are on duty, this causes the ongoing health services to be less than optimal. The purpose of this study is to predict the type of disease in the future. The data on the types of diseases that were processed in this study from 2019 to 2021 were sourced from the Silaping Health Center. This data will be processed with the Monte Carlo Model. The results of this study are predictions of the type of disease in the future as well as knowing the remaining accuracy obtained when using the Monte Carlo method. Thus, this information can be used as a reference for the puskesmas in taking actions and policies to improve services.

Keywords: *Simulation, Public Health Center, Type of Disease, Patient, Monte Carlo Method.*