# THE MAPPING OF MALNUTRITION AND STUNTING THROUGH WEB-BASED SUPPORT SYSTEM

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## Abstract

Information on changes in weight of the children-under-five has been a parameter for mapping potential malnutrition problems. However, that is not enough. Besides the weight, the body height is also important information. This is related to the problem of stunting in Indonesia. The prevalence is quite large and spread in several areas. The Indonesian government has made a policy to overcome the malnutrition and stunting problem by establishing The posyandu (integrated healthcare centre). The posyandu is coordinated by puskesmas (community health centre) to observe the children. However, in fact, some children are not observed because the benefits of posyandu services are not taken by their parents. In addition, the recorded data is not directly state condition of the community health. The data mining algorithm could be used to indicate nutritional status. It is conducted through information on the weight and height of children for estimate the community health status. This paper focuses on finding a support system model that could be used for it. The result is a web-based support system model, which generate the map and the community health status. Thus, it is an input for the government and stakeholder to improve health of the children and the community.

*Keywords:* Algorithm, Data-Mining, Posyandu, Public-Health.