

ABSTRACT

One of the objectives of health development is to enhance the independency of a family to take care of their health, particularly the health of mother and children. One effort to reach the objective is to improve family's knowledge and skill by the use of KIA book.

The general objective of this study was to identify the difference of growth and development in underfives aged 3 – 18 months who use and not use KIA book, while its particular objective was to define the characteristics of the underfives, i.e., their nutritional (growth) status, development, health status, immunization, breastfeeding (exclusive and continued), and their personal number, the characteristics of the mothers, i.e., their age, level of education , occupation, marriage status, knowledge on KIA, and number of children ; factors affecting underfives, growth and development, and the difference of growth and development in underfives aged 3- 18 months who use and not use KIA book. This study used cohort retrospective design . Samples were 40 underfives aged 3 – 18 months who use KIA book as observed group, and 40 underfives with the same age who not use KIA book as control group. Samples were taken using random sampling.

Results of T-test for independent samples showed that there were no significance in growth ($p = 0,059$) and significance difference development ($p=0,002$), of underfives aged 3 – 18 months between those use KIA and not. Several factors observed as having effect on underfives growth were continued breastfeeding ($p= 0,040$), exclusive breastfeeding ($p=0,046$), and knowledge on KIA ($p=0,020$), while factors affecting their development were having of KIA book ($p=0,005$), mothers education ($p=0,009$), mothers age ($p=0,031$) and knowledge on KIA ($p=0,032$).

Based on the results of this study, it is recommended to improve socialization on the use of KIA book by all parties, and to increase the number of KIA books for village community, particularly those in Pragak, as well as in other villages.

Keywords : *growth, development, underfives aged 3 – 18 months, KIA book*