

## Comparison of the nutritional status of under-five children from health centers with different nutrition services performance in East Sumba District

Eman Sumarna, author

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### Abstrak

*The purpose of the study was to compare the nutritional status of children receiving supplementary food from the high and low performing health centers in East Sumba District, Indonesia.*

Assessment of all 15 health centers was the first stage to determine the performance level using input output process approach, and 568 selected households from two performance categories was the second stage to investigate nutritional status. A Scoring system was used to determine the performance level, and anthropometry was used to assess nutritional status. SPSS 10.0 and EpiInfo 6.04b were used for data analyses. The study was conducted from February to March 2001.

All input-process-output and personnel capability variables between the two performance levels were significantly different. The supplementary feeding package fulfilled optimally the standard requirement, but the method and frequency of distribution did not. The prevalence of malnutrition was significantly different between the two performance levels.

Lack of transportation and small number of personnel might have influenced the improper nutrition service management.