ABSTRACT

Health Workers' Knowledge and Skills After OJT for Maternal and Child Emergencies in Berau Regency

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Background : Effective management of maternal and child emergencies at primary healthcare facilities requires health workers with adequate knowledge and practical skills. In Berau Regency, community health centers (Puskesmas) and Independent Midwife Practices (TPMB) provide frontline care. Dr. Abdul Rivai Regional Hospital implemented on-the-job training (OJT) to strengthen health workers' capacity; however, evidence remains limited.

Objective : This study assessed changes in health workers' knowledge and practical skills in managing maternal and child emergencies before and after OJT.

Research Methods/ Implementation Methods : This quantitative study used a comparative descriptive design to compare participants' knowledge and skills before and after training. Participants were 24 doctors, nurses, and midwives from six Puskesmas and three TPMBs. OJT was conducted at Dr. Abdul Rivai Regional Hospital in August 2026. Questionnaires were administered before and after training, and statistical testing assessed differences.

Results : The 24 participants comprised five doctors, eight nurses, and 11 midwives from Labanan, Sambaliung, Tanjung Batu, Tepian Buah, Suaran, and Merancang Health Centers, and TPMB practices led by Midwives Emi, Martina, and Parni. The mean score increased from 56.4583 before training to 63.9583 afterward. The significance value was 0.000, indicating a statistically significant difference in knowledge and skills before and after training. The correlation value of 0.798 indicated a very strong relationship.

Conclusion/Lesson Learned : The OJT program was followed by improvements in participants' knowledge and skills in managing maternal and child emergencies. Continued implementation with more participants is expected to strengthen frontline care and contribute to reducing maternal and child mortality in Berau Regency.

Keyword : OJT; maternal & child emergency; health workers; knowledge;