ABSTRACT

Predictive indicators of Village UCI Achievement, Achievement of Valid Dose Immunization And Vaccine Quality Management in Jember, 2012

The success of immunization to prevent, protect and reduce morbidity, disability and even death against diseases preventable by immunization (PD3I) is reached if all infants are fully immunized and obtain *Valid Dose* that mean eligible for the minimum age and minimum interval, with good quality of vaccines either due to good management.

Village UCI achievement in Jember has not reached the minimum target of at least (≥ 85%) for three consecutive years, and PD3I cases that always exist and tend to show improvement. Jember ranks seventh lowest HDI in 2004 for the achievement of district / city in East Java. Assessment results are found 65.1% midwives do not write at the time dissolve BCG vaccine and measles, 59% of midwives do not know how to treat the remaining vaccine that has been opened, only 68% of clinic personnel who perform the management of vaccine according to standard,> 30% packing vaccines are still using Cold Pack, and <50% of health center staff conduct supportive supervision and makes PWS and fed regular feedback to the midwife.

This study used cross-sectional design. Research unit are 152 villages. The results demonstrate knowledge of midwives in the village has a significant relationship with achievement of Village UCI, as well as the quality of vaccine management. Availability of logistics has a significant association with village UCI achievement, achievement Valid Dose of immunization and vaccine management quality. Activities immunization clinic staff have a significant association with achievement of Village UCI, the achievement of Valid Dose of immunization and vaccine management quality. Further model indicators of the probability of achieving Village UCI in Jember is the achievement of Village UCI = -1.747 +2.564 (a good knowledge of the village midwife) +0.500 (the availability of logistics). Model indicators of the probability of achieving a *Valid Dose* of immunization in Jember is the achievement of *Valid Dose* = -4.330 +0.768 immunization (the avaibility of logistics) +0.521 (good activity officers). Model indicators of the probability of achieving good quality vaccine management is good vaccine-management quality = -5.442 +1.948 (a good knowledge of the village midwife) +1.708 (the availability of logistics)

Keywords: Village UCI, Valid Dose of Immunization, Vaccines Quality Management, Indicators