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# Comparison Partograf Based on Computer System and Partograf Conventional on Monitoring Record Report Progress of Labor

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**Abstract:** Partograf is a tool that can help health workers to perform recording and reporting in the process of childbirth, recording reporting the use of partograf is still low that is below 70%. This study aims to determine partograf-based comparison of computer systems and conventional partograf. The method used in this research is using quasy experiment with comparative descriptive design, sampling technique that is purposive sample, the number of subjects examined as many as 40 mothers in partu divided into group one (1) is recording reporting using partograf based on computer system and group two (2) is recording reporting using conventional partograf. The data analysis used univariate analysis by looking at median value and bivariate analysis by using Mann-Whitney Test. The results obtained partograf-based computer system namely; partographic filling 20 (100%), partographic correctness 20 (100%), partographic length 2 (10%), time velocity 8.6 hours, with median aspect value of convenience 24, while conventional partograf ie; completeness 16 (80%), truth 16 (80%), filling duration 3 (15%), 11.6 hours time velocity, with median aspect of ease 23. Statistical test result got p value of 0.004, 0.0001, 0.000, dan 0.005 ( $\alpha = 0.05$ ) means that there are differences in partograf based on computer system and conventional partograf. Thus it can be concluded that computer-based partograph can be used as a monitoring tool for recording the reporting of progress of labor, and better than conventional partograf. Recording of partographic reporting based on computer systems needs to be applied in documenting midwifery care, and being developed to be web-based so as to link to referral sites.

**Keywords:** Computer-based partograf, conventional.

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