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[IOP Conference Series: Earth and Environmental Science PAPER • OPEN ACCESS](#) Adaptability and Productivity of Local Holstein – Frisien Cows in Banyumas District [To cite this article: Y Subagyo et al 2019 IOP Conf. Ser.: Earth Environ. Sci. 372 012040](#) [View the article online for updates and enhancements. This content was downloaded from IP address 36. 80.115.53 on 14/05/2020 at 03:19](#)
Adaptability and Productivity of Local Holstein – Frisien Cows in Banyumas District Y Subagyo, M A N Wahid, T Y Astuti and N A Setianto
Animal Science, Faculty of Universitas Jenderal Soedirman, Purwokerto, Indonesia Abstract. The purpose of this study was to measure the adaptability and productivity of local dairy cows in Banyumas district. About 29 lactation dairy cows from two groups of dairy farmers in the Baturraden and Sumbang sub-districts of Banyumas district were used in this study. To find out the adaptability is done by measuring the rectal temperature and the frequency of respiration at 06.00 am, 10.00 am and 14.00 am. Milk productivity was measured by measuring milk every day. Measurement of all parameters was carried out for one month. The results showed that there were no significant differences ($P > 0.5$) between the two sub- districts for all variables, namely: rectal temperature, respiratory frequency, HTC Benezra and Rhoad, and daily milk production. It can be concluded that the adaptability of local Holstein – Frisiendairy cows in Banyumas district is good, while milk production is moderate. Keywords: rectal temperature, respiratory frequency, HTC, milk production, 1. Introduction Banyumas Regency is one of the milk producing centers in the province of Central Java. In general, the milk produced is derived from local Frisien - Holstein (FH) dairy cows that are raised by smallholder farmers. The nation of dairy cows that is raised is the local Frisien Holstein cow because it has a fairly good performance in climatic conditions in tropical Indonesia. The dairy farmers of the people join in several groups of breeders who are scattered in several districts in Banyumas. The dairy cow development