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Antibacterial activity of palm wine on farms

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The purpose of this study was to evaluate the antimicrobial activity of traditional palm wine in East Nusa Tenggara, named Sopi and Moke, through evaluation of total coliform in farms. In this research 36 swab samples were collected which are derived from four farms in the city area Kupang. 36 swab samples consisted of 16 swab samples before application Sopi and Moke and 16 samples after the application Sopi and Moke. Swab samples were analyzed with total coliform test using Violet Red Bile Agar. The research shows that total coliform after application Sopi and Moke was decreased compared to before applied Sopi and Moke. The study also proved that Sopi and Moke has the same capabilities as the commercial disinfectant named Formaldes®. Therefore Sopi and Moke could be used as a natural disinfectant on farms which can be utilized by local farmers in East Nusa Tenggara.

Biography

Annytha Detha is currently working as a Lecturer of Faculty of Veterinary Medicine, Nusa Cendana University, Indonesia. She has obtained her DVM and MSc degrees from Bogor Agricultural Institute in the year 2005 and 2008 respectively. She has completed her Doctoral degree of Veterinary Public Health from the same institute in the year 2014. Her research expertise includes food hygiene, veterinary public health, zoonotic diseases, epidemiology and biosecurity. She has numerous publications in various national and international journals and has participated in many conferences and seminars.

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