

ABSTRACT

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THE RELATIONSHIP OF HOUSE DISTANCE AND HOUSE CONDITION WITH THE LEVEL OF FLY DENSITY IN THE SETTLEMENTS AROUND THE NANGKALEAH FINAL DISPOSAL SITE (FDS) TASIKMALAYA DISTRICT

Nangkaleah Final Disposal Site (FDS) is located in Sukasukur Village, Mangunreja District, Tasikmalaya Regency. Nangkaleah FDS still uses the method open dumping or simple waste handling where the waste is simply piled up and spread out in one location. The aim of the research was to determine the relationship between house distance and house condition with the level of fly density in settlements around the landfill. The research method used is a quantitative method with an analytical survey design and uses an approach cross sectional. The sample in this study amounted to 124 houses. The sampling technique used in this research is proportionate stratified random sampling. The results of this study show that there is a relationship between the distance from the house and the density of flies in settlements around the landfill ($p=0.000$) with the correlation between the distance of the house from the landfill being ($r=1.000$) and the average density of flies being ($r=-0.918$). the magnitude of the correlation is in the very strong category. There was no relationship between the disposal of baby and elderly feces and the density of flies in settlements around the Nangkaleah landfill ($p=0.106$). There was no relationship between puddles of waste water and fly density in settlements around the Nangkaleah landfill ($p=0.580$). There was no relationship between waste water drainage channels and fly density in settlements around the Nangkaleah landfill ($p=0.855$). There is a relationship between waste sorting and fly density in settlements around the Nangkaleah landfill ($p=0.002$). There is a relationship between trash cans and fly density in settlements around the Nangkaleah landfill ($p=0.000$). There is a relationship between waste collection and fly density in settlements around the Nangkaleah landfill ($p=0.027$). Suggestions that can be made for the community around the Nangkaleah TPA are the use of fly traps and wire mesh in ventilation and use closed trash cans.

Keywords: House Distance, Flies Density, House Condition, FDS