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Effect of Housing Patterns on Microclimate and water intake in Osmanabadi weaned kids

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Abstract

Observations were recorded on 24 Osmanabadi weaned kids to see the effect of housing either in floor murum with no ventilation + thatch roof (T0), floor murum with no ventilation + tin roof (T1), floor murum with one ventilator + thatch roof (T2), floor murum with one ventilator + tin roof (T3), floor murum with two ventilators + thatch roof (T4) and floor murum with two ventilators + tin roof (T5). All the kids were maintained on the common feeding regime of available roughages and home-made concentrate mixture. The lowest micro temperature was recorded in thatch roof with two ventilators house whereas highest in tin roof with no ventilation house. The monthly mean water intake showed significant ($P < 0.01$) differences. Significant differences were recorded for the mean values of water intake for providing no ventilation over providing ventilation. Providing tin roof condition significantly ($P < 0.01$) increased water intake in comparison with thatch roofing condition. Based on these results thatched roof shed with one or two floor ventilation has to be preferred for growing kids.

Keywords : Housing pattern, Microclimate, Water intake, Osmanabadi kids, floor .