

## **Estimation of siamese hare population by technique of pellet – group counts.**

CHOOMPOL NGAMPONGSAI and VIRAYUTH LAUHACHINDA.

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### **ABSTRACT**

The pellet – group census technique was used to estimate the Siamese hare population in the dry dipterocarp forest and in the reforestation site, covering 0.137 hectare or 0.00137 square kilometer, at Sakaerat Environmental Research Station, Nakhonratchaima Province. Twelve categories of pellet-formations. i.e. 1, 2, 3, 4, 5, 5, 6, 7, 8, 9, 10-19, 20-29 and over were assigned in order to obtain the reasonable result in defining the standard group – size for pellet – group census estimation. The study revealed that the assigned 7 pellets as one group statistically gave reasonable estimate at  $P = 0.05$  and  $0.01$  which was 1.11, 0.85 and 0.77 hare per hectare with the average density of 0.92 hare per hectare or approximately 92 hare per square kilometer. The population estimate, however, obtained from hare's total pellets per day was 0.82, 0.63 and 0.57 hare per hectare, respectively, with 0.67 hare per hectare or 0.67 hare per square kilometer.