International Journal of ChemTech Research
CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.14 No.01, pp 237-242, 2021

Exploration of Clove stem border in East Bolaang Mongondow District

Elisabet R.M. Meray[1*], Max M. Ratulangi[1], Moulwy F. Dien[1]

[1]**Faculty of Agriculture, Sam Ratulangi University, Manado, North Sulawesi, Indonesia**

Abstract : Over the last few years, clove production in North Sulawesi has decreased significantly compared to previous years, thus placing North Sulawesi as the fifth clove producer, but in terms of area it ranks first in Indonesia. This study aims to determine the species and percentage of attacks as well as the distribution pattern of stem borer pests that attack clove plants in East Bolaang Mongondow District. The method used is by observing directly the symptoms of damage caused by stem borer pests in clove plantations in several villages and sub-districts of East Bolaang Mongondow District. The results showed that the species of pest that attacks clove plant stems in East Bolaang Mongondow District is *Hexamitodera semivelutina* Hell. (Cerambycidae: Coleoptera). The average percentage of stem borer pests from the Cerambycidae family in several villages was relatively high, ranging from 49.20% -79.40%, while stem borer pests from the Buprestidae family in several villages and sub-districts in East Bolaang Mongondow District were not found attacked the stems of clove plants, such as those found attacking cloves in South Bolaang Mongondow District.
Keywords : Clove, Cerambycidae,*H. semivelutina*, Buprestidae, stem borer.

DOI= http://dx.doi.org/10.20902/IJCTR.2021.140123

Elisabet R.M. Meray *et al* /International Journal of ChemTech Research, 2021,14(1): 237-242.

*****