ABSTRAK

The destination of research was known spesies of organismes which demaged *Shorea sumatrana* wood. Organismes were found as wood destroyed which there were two part as fungi and marine borer. Spesies of fungi were *Aspergillus niger*, *Aspergillus flavus*, *Fusarium sp*, *Penicellium sp*, and *Trichoderma viride*, and spesies of marine borer were *Glycera sp* and *Limnoria sp*. Wood decay were according to biology under influence of combination between fungi and marine borer. *Aspergillus* and *Penicellium sp* were most domination in wood samples.

Key : Fungi and marine borer were found as wood destroyed in sea