

REPORT

**THE EFFICACY OF WOOD TREATED BY CHEMICAL
SUBSTANCE WOOD BLISS1 AND HM1 AGAINST
POWDER POST BEETLE *Lyctus bruneus***



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RESEARCH AND DEVELOPMENT UNIT FOR BIOMATERIALS
INDONESIAN INSTITUTE OF SCIENCES (LIPI)
MAY, 2009**

REPORT

No. 013/B/PK-Biomat/V/2009

Title : THE EFFICACY OF WOOD TREATED BY CHEMICAL
SUBSTANCE WOOD BLISS1 AND HMI AGAINST
POWDER POST BEETLE *Lyctus bruneus*
Test Periode : February - April 2009
Ordered by : Moldrup System Pte. Ltd.
Technician : Khoirul Himmi Setiawan, S.Si.
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ORIGINAL



Date of issues: May 14, 2009

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Figure 4. shows wood plate treated by HM 1 (HM1 : Water = 1 : 5), compared to sample preference before test. The test generated all wood samples treated showed resistance against powder post beetle attack. Displayed on figure 4.b, there are no *Lyctus bruneus* attack pattern. The test result generated A grade, and able to fulfill SNI Standard.

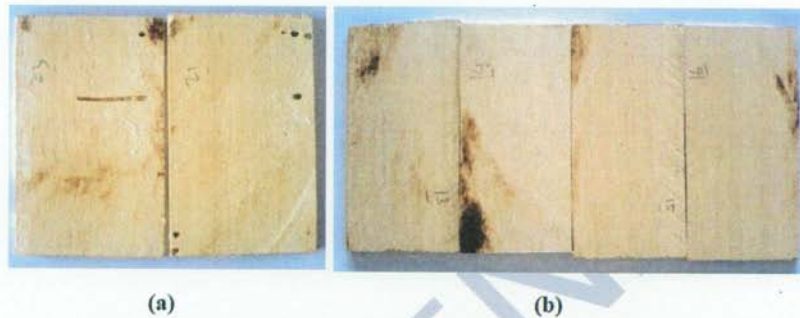


Figure 4. Sample condition after the test (a) Control and (b) wood treated by HM1 (HM1 : Water = 1 : 5).

V. Conclusion

Based on test result can be concluded that chemical HM1 Solution with minimum concentration (HM1 : Water = 1 : 5) fulfill Indonesian National standard (SNI) requirement against powder post beetle attack.

VI. Reference

- , 2006, Urban IPM Handbook: An Integrated Approach to Management of Pests In and Around Structures, National Pest Management Association, USA.
- Nicholas, D. D., 1973, Wood Deterioration and Its Prevention by Preservative Treatments, Vol. I: Degradation and Protection of Wood, Syracuse University Press, New York.

Indonesian National Standard (SNI) No. 01-7207-2006 .