

**ORIENTED STRAND BOARD:  
RESEARCH ON PERFORMANCE PATTERN AND  
USAGE TREND IN MALAYSIA**

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## **ABSTRACT**

### **ORIENTED STRAND BOARD:**

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The Oriented Strand Board (OSB) is one of the potential wood composites that could be widely used in many purposes especially for interior uses. The performance pattern of OSB was measured by reviewed on a few parameters which are species of wood strand, types of adhesive, content of adhesive and treatment done on OSB from previous research. Meanwhile, usage trend of OSB was analysed by examining the demand of it in Malaysia and the usage of OSB in Malaysia. Every wood or non-wood species carried different properties of it and delivered its properties to the OSB. Same with wood species, the types of adhesive also give different properties on OSB. In wood industry, synthetic resin was commonly used in manufacturing process due to some factors. From previous research done, it was stated that the higher resin content in OSB manufacturing will produced the good performance. Furthermore, the treatment of OSB was done usually to improve its major drawback which is dimensional stability of the board. The usage trend in Malaysia was statically analysed from MTIB and survey done on previous research where the trend showed that wood composite is still less demanded as compared to the solid wood. This is because, the quality of materials was the most preferred by the peoples. Hence, OSB is only preferred to be used as an interior raw material only.

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