

**Analisis Potensi Bahaya dengan Metode *Hazard and Operability Study (HAZOP)* dan *Risk Assessment* (*Hazard Potential Analysis with the Hazard and Operability Study (HAZOP) Method and Risk Assessment*). Pembimbing (Ir Dwi Djoko Suranto, MT)**

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***ABSTRACT***

*PT Boma Bisma Indra is a company engaged in manufacturing industrial equipment, PT Boma Bisma Indra itself currently has ±350 employees. The number of employees who are fairly large requires them to always pay attention to occupational safety and health (K3) by implementing programs in accordance with law No. 13 of 2003 article 87, thus companies are required to fulfill their responsibilities in providing protection for employees by implementing programs in this program, an effort is made to minimize or avoid potential hazard that can endanger employees by identifying and controlling them using the hazard and operability study method through the OHS risk assessment ranking. The results of the observation found 52 potential hazard and then classified them into 12 sources of danger. Based on the risk assessment, there is 1 hazard source that has an "extreme" value. 3 hazard source that have a "high" risk value, 5 hazard sources that have a "moderate" value, 3 hazard sources that have a "low" value.*

***Keyword: HAZOP, Risk Assessment.***