

THE OCCUPATIONAL HEALTH AND SAFETY ASSESSMENT MODEL FOR VOCATIONAL SCHOOL

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ABSTRACT

The aims of this study were to: (1) knowing the danger factors experienced by students in the technical and vocational learning process and (2) knowing the process of developing Occupational Health and Safety assessment instruments in vocational education.

This research was a Research and Development (RnD) research. The steps of this research included: (1) literature study; (2) Focus Group Discussion 1; (3) Instrument Testing; (4) Focus Group Discussion 2; and (5) Final Instrument. The study was conducted at the head laboratories and workshops of SMK N 1 Tanjung, the head laboratories and workshops of the Semarang State Polytechnic (Polines), and the head laboratories and workshops of the Institute of Brunei Technical Education (IBTE). The results showed 2 factors for developing OHS instruments. First was 5S at work. 5S consisted of Seiri (Concise), Seiton (Neat), Seiso (Resik), Seiketsu (Rawat), and Shitsuke (Diligent). Second was Zerosicks Analysis. Zerosicks Analysis consists of Hazard, Environment, Risk, Observation / Opportunity / Occupational, Solution, Implementation, Culture / Climate / Control, Knowledge / Knowhow, and Standardization. The results of the development resulted in 2 instruments that can be used to measure OHS readiness in the workplace, namely 5S and Zerosicks Analysis instruments.

Kata Kunci: *5S, Assessment, OHS, Zerosicks Analysis*