

ABSTRAK

Penelitian ini bertujuan untuk mengidentifikasi dan mengevaluasi potensi bahaya K3 di pertambangan pasir CV. XNX, Probolinggo, menggunakan metode HIRARC dengan data yang dikumpulkan dari observasi, wawancara, dan kuesioner terhadap 25 responden. Sebanyak 31 aktivitas kerja teridentifikasi memiliki potensi bahaya seperti tertimpa material, tergelincir, paparan debu, dan kegagalan alat berat, dengan klasifikasi risiko rendah hingga tinggi. Rekomendasi pengendalian meliputi prosedur kerja, peningkatan penggunaan dan pengawasan APD, serta pelatihan keselamatan rutin guna memperkuat budaya K3 dan sebagai acuan manajemen risiko bagi tambang sejenis.

Kata kunci = K3, HIRARC, Pertambangan Pasir, Penilaian Risiko, Manajemen Risiko.

ABSTRACT

This study aims to identify and evaluate occupational health and safety (OHS) hazards at the sand mining site of CV. XNX, Probolinggo, using the HIRARC method, with data collected through observation, interviews, and questionnaires from 25 respondents. A total of 31 work activities were found to have potential hazards such as being struck by materials, slipping, dust exposure, and heavy equipment failure, with risks classified as low, medium, or high. Recommended controls include stricter work procedures, increased use and supervision of personal protective equipment (PPE), and regular safety training to strengthen the OHS culture and serve as a reference for risk management in similar mining operations.

Keywords = K3, HIRARC, Sand Mining, Risk Assessment, Risk Management.