

**EFFECT OF CHARACTERISTICS AND FATIGUE ON LABOR  
PERFORMANCE IN SHIP BUILDING PRODUCTION ROOM  
(Study in PT. Tri Ratna Diesel Lamongan 2021)**

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**ABSTRACT**

PT. Tri Ratna Diesel Lamongan is a pioneer company in Indonesia that produces various types of ships supported by technology from Australia (Computer Design Marine). The company's activities are at risk of causing work fatigue, so companies need to pay attention to the health and safety of workers. Fatigue is a condition that generally occurs in workers, where workers experience problems both physically and spiritually after work. Work fatigue is one of the factors that can affect work where fatigue can directly affect worker performance. The purpose of this study was to analyze the effect of characteristics and fatigue on the performance of the workforce.

This study uses an analytic research method with a cross sectional approach. Data was collected by means of interviews. Sampling was carried out by means of Simple Random Sampling with a total sampling of 64 samples, namely the workers who were in the shipbuilding production room. To determine the effect between the two variables, using Chi Square analysis.

The results showed that age ( $p=0.038$ ), working period ( $p=0.041$ ) and fatigue ( $p=0.000$ ) had an effect on the performance of workers in the production room of PT. Tri Ratna Diesel Lamongan. While the level of education ( $p=1,000$ ) has no effect on the performance of the workforce in the production room of PT. Tri Ratna Diesel Lamongan.

PT. Tri Ratna Diesel Lamongan is advised to provide training and rewards (for example in the form of compensation) to workers so that they are more enthusiastic in carrying out their work activities and it is necessary to develop light sports activities to help smooth the function of body organs so that when doing work they are stronger and not easily tired.

**Keywords:** Fatigue, Performance, Ship

**PENGARUH KARAKTERISTIK DAN KELELAHAN TERHADAP KINERJA  
TENAGA KERJA DI RUANG PRODUKSI PEMBUATAN KAPAL  
(Studi di PT. Tri Ratna Diesel Lamongan Tahun 2021)**

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**ABSTRAK**

PT. Tri Ratna Diesel Lamongan merupakan perusahaan pionir di Indonesia yang memproduksi berbagai jenis kapal yang didukung dengan teknologi dari Australia (*Computer Design Marine*). Aktivitas perusahaan beresiko mengakibatkan kelelahan kerja, sehingga perusahaan perlu memperhatikan kesehatan dan keselamatan kerja para pekerja. Kelelahan merupakan suatu keadaan yang secara umum terjadi pada pekerja, dimana pekerja mengalami masalah baik secara jasmani maupun rohani setelah bekerja. Kelelahan kerja merupakan salah satu faktor yang dapat mempengaruhi pekerjaan yang dimana kelelahan dapat secara langsung mempengaruhi performa pekerja. Tujuan penelitian ini untuk menganalisis pengaruh karakteristik dan kelelahan terhadap kinerja tenaga kerja.

Penelitian ini menggunakan metode penelitian yang bersifat analitik dengan jenis pendekatan *cross sectional*. Pengumpulan data dilakukan dengan cara wawancara. Pengambilan sampel dilakukan dengan cara *Simple Random Sampling* dengan total sampling sebanyak 64 sampel yaitu para pekerja yang berada di ruang produksi pembuatan kapal. Untuk menentukan pengaruh antara dua variabel maka menggunakan analisis *Chi Square*.

Hasil penelitian menunjukkan bahwa usia ( $p=0,038$ ), masa kerja ( $p=0,041$ ) dan kelelahan ( $p=0,000$ ) berpengaruh terhadap kinerja tenaga kerja di ruang produksi PT. Tri Ratna Diesel Lamongan, sedangkan tingkat pendidikan ( $p=1,000$ ) tidak berpengaruh terhadap kinerja tenaga kerja di ruang produksi PT. Tri Ratna Diesel Lamongan.

PT. Tri Ratna Diesel Lamongan disarankan untuk memberikan pelatihan serta penghargaan (misalnya berupa kompensasi) kepada pekerja agar lebih antusias lagi dalam melakukan kegiatan pekerjaannya dan perlu dilakukannya pembinaan kegiatan olahraga ringan untuk membantu kelancaran fungsi organ tubuh agar saat melakukan pekerjaan lebih kuat dan tidak mudah lelah.

Kata Kunci : Kelelahan, Kinerja, Kapal