

BRIEF REPORTS

Physical Characteristics of Balinese Woman Workers in Small and Medium Industries

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The total population of working age women in the Province of Bali is 885,138 people, or 33.25% of the total working age population. As a tourism destination, Bali is developing small and medium industries in which handicraft products sold as souvenirs. The type of job of Balinese women workers in this sector is finishing work such as, sanding, painting, or furnishing. The aim of this study is to describe the physical characteristics of Balinese female workers in small and medium industrial sector, which can be useful as preliminary data for further ergonomic intervention. The physical characteristics were collected from 92 subjects using literature study method. The results show that age of female workers are classified as productive age, height and weight classified as normal, more work experience than one year, and based on the heart pulse data, the work categorized in mild and moderate workloads.

Keywords: physical characteristics, Balinese female worker, small and medium industries

Jumlah penduduk wanita usia kerja di Propinsi Bali: 885.138 orang, atau 33,25 % dari total jumlah penduduk usia kerja. Sebagai tujuan wisata, Bali mengembangkan industri kecil dan menengah dengan produk kerajinan tangan sebagai cenderamata. Jenis pekerjaan wanita Bali dalam sector ini adalah menuntaskan pekerjaan seperti mengampas, menggambari, atau melengkapi. Tujuan studi ini adalah mendeskripsikan ciri-ciri fisik pekerja wanita Bali di sktor industri kecil dan menengah, yang akan bermanfaat sebagai data awal untuk intervensi ergonomik selanjutnya. Ciri-ciri fisik diperoleh dari 92 subjek melalui metode studi literature. Hasilnya menunjukkan bahwa usia pekerja wanita terklasifikasi sebagai usia produktif, tingi dan bobot tergolong normal, berpengalaman lebih dari satu tahun, dan berdasarkan data denyut jantung, pekerjaannya tergolong beban kerja ringan dan moderat.

Kata kunci: ciri-ciri fisik, pekerja wanita Bali, industri kecil menengah

Based on the data from Balinese Central Bureau of Statistics, the overall population of Bali, both men and women, is 3,372,880 people. The number of working age population is 2,661,913 people; 1,340,363 of them are men and 1,321,550 are women. While the population of employed men is 1,096,996 people, the population of employed women is 885,138 people (BPS Prop. Bali, 2007). The population of working women is considerably high, approximately 26.24% of the total popula-

tion and 33.25% of the total population of working age. These female workers work in all employment sites, either as farmers, market labors, construction labors, office workers, janitors, and also workers in small and medium industrial sector.

Besides working, female workers are also expected to fulfill the role as housewives. Recently, this dual role is undertaken primarily because of economic demands (Jafry, 2000; Manuaba, 2002). By working outside the home, female workers contribute more income to their family. In addition, according to Hinduism, working is also required to be done by women in accordance with the Rigveda and Yajurveda V.28.3 XVII.85 that women are required to work hard in order to prosper in life (Parisada Hindu Dharma Indonesia Pu-

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