

ABSTRAK

PT. Multi Indowood merupakan perusahaan manufaktur yang bergerak dibidang furniture. PT. Multi Indowood berada di Raya Krikilan No. 28 Dusun Larangan, Driyorejo, Kabupaten Gresik Jawa Timur. Dilantai produksi terdapat bagian gudang bahan baku, proses, finishing, packaging, dan gudang jadi. Pada bagian packaging aktivitas yang dilakukan terdiri fase gerakan 1 yaitu mendorong meja angkut menuju meja packaging, fase gerakan 2 yaitu memindahkan furniture dari meja angkut ke meja packaging, fase gerakan 3 yaitu aktivitas awal packaging yaitu membungkus dengan kain, fase gerakan 4 yaitu membungkus setiap sudut furniture dengan busa, dan fase gerakan 5 yaitu aktivitas packaging pengemasan dalam kardus. Gerakan setiap fase gerakan dihitung dengan menggunakan skor REBA dengan hasil 8,9,8,10,8 menunjukkan level resiko tinggi sehingga perlu tindakan sekarang juga. Tindakan yang dilakukan yaitu dengan membuat usulan rancangan lift table *packaging* yang bisa digunakan untuk mengangkut *furniture* dan meja *packaging*. Sehingga tidak perlu dilakukan pemindahan *furniture* yang berulang-ulang saat melakukan aktivitas *packaging*. Data antropometri yang digunakan untuk membuat usulan rancangan yaitu lebar bahu, tinggi siku berdiri, dan lebar jari ke-2,3,4,5, dan diameter lingkaran genggam. Ukuran dimensi usulan rancangan *lift table packaging* yang dibuat yaitu lebar pegangan 55 cm, dimensi pegangan 4 cm, ketinggian pegangan 96 cm, panjang genggam 9 cm, sudut kemiringan pegangan 15° panjang papan landasan 105 cm, lebar papan landasan 68 cm, ketinggian maksimum papan landasan 103 cm.

ABSTRACT

PT. Multi Indowood is a manufacturing company engaged in furniture. PT. Multi Indowood is located at Raya Krikilan No. 28 Dusun Larangan, Driyorejo, Gresik Regency, East Java. On the production floor, there are parts of the warehouse for raw materials, processing, finishing, packaging, and finished warehouses. In the packaging section, the activity carried out consists of movement phase 1, which is pushing the transport table to the packaging table, movement phase 2, which is moving furniture from the transport table to the packaging table, movement phase 3 is the initial activity of packaging which is wrapping with cloth, movement phase 4 is wrapping every corner furniture with foam, and movement phase 5, namely the activity of packaging packaging in cardboard boxes. The movement of each movement phase is calculated using the REBA score with the results of 8,9,8,10,8 indicating a high level of risk so that action is needed now. The action taken is to make a design proposal for a lift table packaging that can be used to transport furniture and packaging tables. So there is no need to move furniture repeatedly during packaging activities. The anthropometric data used to make the design proposal are shoulder width, elbow height, and finger width 2,3,4,5, and grip circumference diameter. The dimensions of the proposed lift table packaging design that are made are handle width 55 cm, grip dimension. 4 cm, handle height 96 cm, grip length 9 cm, grip angle 150, length 105 cm foundation board, foundation board width 68 cm, maximum height 103 cm foundation board.