

ABSTRAK

CV. Jaya Buring Nusantara merupakan salah satu perusahaan yang memproduksi rempah-rempah dalam kemasan bubuk dengan merk “LABUNA”. Rempah yang diproduksi diantaranya yaitu ketumbar bubuk, merica bubuk, dan kunyit bubuk. Beberapa masalah seperti perpindahan material (*material handling*) yang terlalu jauh, penyusunan departemen tidak menurut derajat kedekatan, dan adanya aliran bolak balik material (*backtracking*) serta kegiatan naik turun tangga yang menyebabkan karyawan cepat mengalami kelelahan. Berdasarkan permasalahan tersebut penelitian ini bertujuan untuk memberikan usulan *layout* dengan menggunakan metode *Systematic Layout Planning* (SLP) dan *Computerized Relative Allocation of Facilities Techniques* (CRAFT). Berdasarkan *layout* aktual perusahaan total momen perpindahan sebesar meter/bulan, *layout* usulan menggunakan metode CRAFT menghasilkan total momen perpindahan sebesar meter/bulan dan metode SLP menghasilkan total momen perpindahan sebesar meter/bulan. Disimpulkan bahwa *layout* usulan terbaik adalah dengan menggunakan metode SLP.

Kata Kunci : Tata Letak Pabrik, CRAFT, *Systematic Layout Planning* (SLP), dan Total Momen Perpindahan

ABSTRACT

CV. Jaya Buring Nusantara is a company that produces spices in powder packaging with the brand "LABUNA". Spices produced include coriander powder, pepper powder, and turmeric powder. Several problems, such as material handling that is too far away, the arrangement of departments is not according to the degree of proximity, and there is an alternating flow of material (backtracking) and activities up and down stairs that cause employees to quickly experience fatigue. Based on these problems, this study aims to provide layout proposals using the Systematic Layout Planning (SLP) and Computerized Relative Allocation of Facilities Techniques (CRAFT) methods. Based on the company's actual layout, the total moment of displacement is meters/month, the proposed layout using the CRAFT method produces a total moment of displacement of meters/month and the SLP method produces a total moment of displacement of meters/month. It is concluded that the best proposed layout is to use the SLP method.

Keywords: Factory Layout, CRAFT, Systematic Layout Planning (SLP), and Total Moment of Movement

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