

**Perancangan Unit Pengolahan Sari Kedelai Kapasitas 120 Kg Bahan Baku
/Hari** (*Design of Soybean Processing Unit with a Capacity of 120 Kg Raw
Material/Day*)

Dr. Ir. Budi Hariono, M.Si (Pembimbing)

Nanik Abelina
Study Program of Food Engineering Technology
Majoring of Agriculture Technology
Program Studi Teknologi Rekayasa Pangan
Jurusan Teknologi Pertanian

ABSTRACT

PT. Sehat Sejahtera Bersama is a business that produces soy beverages. There are currently no established guidelines for the arrangement of equipment at the PT Sehat Sejahtera Bersama facility. The flow of industrial processes is not considered by the machines used in it. As a result, there is less space for employees to move around, and time is wasted doing repetitive tasks, making the industrial process less effective and lowering output. The BLOCPLAN technique is the approach taken to overcome this problem. The facility layout problem at PT Sehat Sejahtera Bersama can be solved using this approach by considering the final layout, material transportation distance, degree of closeness of relationship, and area requirements. The area at PT Sehat Sejahtera Bersama is 244.33 m², the total space required is 647,1 m². The suggested layout, which is the 17th layout out of 20 possible layouts in the BLOCPLAN method, selected based on the R-Score value, which is almost the same or close to 1.

Keywords: *layout facility, BLOCPLAN, recommended layout, soy milk industry*