

## ABSTRACT

---

*Girly Cloth & Shop is a manufacturing company located at Jl Sariwates 1 RT 4 / RW 14 Kiaracondong, Bandung. This company receives the service of making t-shirts, jackets, sweaters, polo and others. Every transaction that occurs is still recorded manually using paper and there is no production scheduling, the determination of the production process is determined by the owner to allow delays in the fulfillment of production orders and incomplete completion dates so as to disappoint the customer. Production scheduling will be scheduled using the Earliest Due Date method approach. The Earliest Due Date (EDD) method is a production scheduling method that produces the minimum maximum tardiness. With the implementation of the production schedule using the earliest due date method, the company can reduce the possibility of delays and the company can also determine the time of ordering materials and their quantities in the form of Material Requirement Planning so as to ensure production namely the availability of materials to be produced so that there is no shortage or excess material which if the material is lacking, the production process can be disrupted and if the material is more than the material will accumulate in the warehouse.*

*This research can provide solutions to overcome the problems that occur in Girly Cloth & Shop by making software that is able to schedule production with the Earliest Due Date method and be able to produce Material Requirement Planning.*

*The functionality of this application is that it can record transaction orders, can schedule production with the earliest due date approach, can know the list of material requirements, can know the amount and time of materials to be purchased, can record purchases, production and cash receipts, and can produce accounting records in the form of general journals and ledgers.*

*Keywords: production schedule; earliest due date; material requirements planning;*