

**Penentuan Variasi Barang Pada Paket Lebaran Menggunakan Algoritma Welch Powell** (*Determination of Variations of Goods in Lebaran Packages Using Welch Powell's Algorithm*).

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***ABSTRACT***

*Parcel is a term for a parcel containing semi-finished goods or finished goods which are neatly and aesthetically baked. In general, before Eid al-Fitr, many Eid parcels are sold, consisting of various kinds of Eid cakes. Therefore, an Eid package savings business was created. Eid al-Fitr packages that focus on basic foodstuffs, cakes and snacks are strongly influenced by food trends and rising prices. Based on these problems, the researcher will create a system that makes it easier to determine the variation of the goods. With this system, users can choose the combination of groceries, cakes and snacks freely and as many variations as they want. The system will classify variations based on the resulting budget with different types if there are variations with the same combination options.*

***Key words*** : *Eid Parcel, Decision Support System, Welch Powell Algorithm.*