

Decision Support System Untuk Pemilihan Bibit Ayam Petelur Menggunakan Metode Simple Additive Weighting (SAW) (Decision Support System for Selection of Laying Hen Breeds Using Method Simple Additive Weighting (SAW))

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ABSTRACT

Breeding is an activity in improving the economy, especially raising laying hens. Laying hens can be cultivated and benefit the community. Because many people still don't understand in choosing good superior laying hens to be developed. Therefore, a Decision Support System was built which is used to determine quality laying hens for breeders who are new or in the learning stage. The method used in the selection of superior laying hens using the Simple Additive Weighting (SAW) method. The Simple Additive Weighting method was chosen because it can choose the best alternative from a number of alternatives because of the ranking process after determining the weight for each attribute. The criteria in the selection include Production Age, Peak Production, Viability, Egg Production and Average Egg Weight. The results of this study are a system that can determine the superior laying hens obtained from the calculation process, namely the sum of the normalized matrix with weights per criterion which shows the ranking of the selected laying hens from the closest to the criteria to the furthest from the criteria. From there, an alternative was obtained which was then chosen as the superior laying hens.

Keywords : Decision Support System, Laying Hen, Simple Additive Weighting