ABSTRACT

The Plantation Service is an element of the Provincial Government's Regional Autonomy Implementation, led by a head of service, domiciled under and responsible to the governor through the regional secretary. The duties of the plantation office include organizing the function of formulating policies in the fields of plantation production, plantation protection, farming, plantation business facilities, implementing licensing, guidance, assistance in the plantation sector. The plantation office is ready to grow young agricultural entrepreneurs by providing business capital assistance to the community and farmer groups every year. With the existence of farmer group capital assistance will create more young farmers who will change the image of farmers, farmer group assistance is one of the activities in order to realize the regeneration of farmers designed for the development, skills, and entrepreneurial spirit of the younger generation in agriculture. the problems that occur in the provision of farmer group assistance, one of which is still the provision of assistance that is not on target, causing the provision of assistance not to people who need assistance, so that the utilization of the assistance is not maximized. In addition, the provision of assistance is done manually, so it is not efficient in any way. To overcome these problems, a system is needed that can help real and objective assessments to prospective beneficiaries. This assessment uses calculations based on the criteria for prospective beneficiaries with the highest ranking system. In this system, it is calculated using data mining with the C5.0 algorithm..

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