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
of

Agriculture and Forestry

**Research on the Determination of the Socio-Economic Factors Affecting the  
Farmers' Behaviour in Adopting Land Consolidation Implemented in  
Güzelbeyli Town in Zile County, Tokat Province**

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**Abstract:** The main purpose of this study was to determine the factors affecting the farmers' adoption behaviour in adopting land consolidation implemented in Güzelbeyli town in Zile county, Tokat province. Chi-square analysis was performed to determine whether a difference existed between the farmers who adopted and did not adopt the land consolidation. The results of the analysis indicated that there were some factors affecting the adoption of land consolidation such as farmers' social participation level and their level of awareness about land consolidation. This result may show that the participation of farmers in different activities increases parallel to an expansion in their social environment. Analysis of variation was carried out to determine the difference between groups in terms of economic factors at the various levels of awareness about land consolidation in the farmers who adopted it. The results obtained showed that a significant difference was found between the groups in terms of farm size of the farmers adopting the land consolidation. Therefore, there was a difference among farmers adopting land consolidation. Further statistical analysis was carried out to find out whether a difference exists between the means of the two groups who adopted and did not adopt the land consolidation. It was found that the differences between two groups' means were statistically significant in terms of the following variables: farm size, plot number, irrigable land ownership before and after the land consolidation, number of plots that have road access after the land consolidation, annual income gained from the sale of agricultural crops and gross production values. These results show that farmers who are well-off tend to participate in activities such as land consolidation that improve economic and social welfare. This is a way of combating risks in the future.

**Key Words:** Land Consolidation, Social-Economic Factors, Agricultural Extension

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