ANALISIS VARIABEL YANG MEMPENGARUHI PREFERENSI PENGGUNA JASA ANGKUTAN MINYAK KELAPA SAWIT DAN TURUNANNYA DI SUMATERA UTARA

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Abstract: Province of North Sumatera is one of potential role as producer of crude palm oil and derived both in Indonesian and abroad. This goods are carried by train and trucks from Production Centre to Port of Belawan. This study aim to analize which variables that affecting crude palm oil and derived transporter in Province of North Sumatera. The methodology that we used are factor analysis methode with principal component analysis approach. The result of the study show that the reduction of number of observation from three models that used are: Model I, the answer from the total of user that used train and trucks ; Model II, the answer from user that used train were excluded from Model I; Model III, the answer from user that used both train and trucks were excluded from Model I, will affect the variables which from the model in principal component analysis. The differences between the variables in principal component analysis for each model are shown in the below :

Principal Component	Model I	Model II	Model III
1	X_{13}, X_6, X_{12}, X_3	X_6, X_1, X_{12}, X_{13}, X_5, X_{14}, X_7, X_8	X_{12}, X_1, X_5, X_{13}, X_7, X_6, X_{14}
2	X_{10}, X_{11}, X_7, X_{14}, X_5	X_{10}, X_{11}, X_9	X_{10}, X_{11}, X_9, X_8
3	X_2, X_1	X_4, X_3	X_4, X_3
4	X_4, X_9, X_8	X_2	X_2

Key Words : North Sumatera, variabel analysis, crude palm oil, transportation