PERAMALAN GARIS KEMISKINAN DI KABUPATEN PURBALINGGA TAHUN 2021-2023 DENGAN METODE DOUBLE EXPONENTIAL SMOOTHING LINIER SATU PARAMETER DARI BROWN

Title	PERAMALAN GARIS KEMISKINAN DI KABUPATEN PURBALINGGA TAHUN 2021-2023 DENGAN METODE DOUBLE EXPONENTIAL SMOOTHING LINIER SATU PARAMETER DARI BROWN
Author Order	2 of 3
Accreditation	4
Abstract	Poverty is a major problem in a country. The Indonesian government has made various efforts to tackle the problem of poverty. The main problem faced in poverty alleviation is the large number of people living below the poverty line. Therefore, this study aims to predict the poverty line in Purbalingga Regency for the next three periods as one of the efforts that can be made by the government in poverty alleviation. The method used in this study is a one-parameter linear double exponential smoothing from Brown. The software used in this research is Zaitun Time Series and Microsoft Excel. The steps taken are determining the forecasting objectives, plotting time series data, determining the appropriate method, determining the optimum parameter value, calculating the single exponential smoothing value, calculating double exponential smoothing value, calculate the smoothing constant value, calculate the trend coefficient value and perform forecasting. Based on the calculation results, the optimum alpha parameter value is 0.7 with MAPE value of 1.67866%, which means that this forecasting model has a very good performance. The forecast value of the poverty line in Purbalingga Regency for 2021 is Rp. 396,516, in 2022 it is Rp. 417,818, and in 2023 it is Rp. 439,120.
Publisher Name	Jurusan Matematika FMIPA Universitas Jenderal Soedirman
Publish Date	2021-12-07
Publish Year	2021
Doi	DOI: 10.20884/1.jmp.2021.13.2.4548
Citation	
Source	Jurnal Ilmiah Matematika dan Pendidikan Matematika
Source Issue	Vol 13 No 2 (2021): Jurnal Ilmiah Matematika dan Pendidikan Matematika
Source Page	155-166
Url	http://jos.unsoed.ac.id/index.php/jmp/article/view/4548/2680
Author	Dr SRI MARYANI, S.Si, M.Si