

## **ABSTRAK**

**Implementasi Algoritma *Double Exponential Smoothing* dalam *Forecasting*  
Pengadaan Buku di Dinas Perpustakaan dan Kearsipan Kabupaten  
Bondowoso (*Implementation of Double Exponential Smoothing  
Algorithm in Book Procurement Forecasting at the Library  
and Archives Service in Bondowoso Regency*).**

**Damar Novtahaning**  
**Study Program of Informatic Engineering**  
**Majoring of Information Technology**  
Program Studi Teknik Informatika  
Jurusan Teknologi Informasi

## **ABSTRAC**

*The level of books borrowed from 2017 to 2018 has decreased by 34.70%. For that, with the right procurement of books, the level of book borrowers can increase. This research aims to build a book forecasting application to assist officers in conducting the procurement of books appropriately by looking at the tendency of borrowing books. By using a forecasting system, it produces an optimal book procurement forecast value using the double exponential smoothing method which has the smallest error rate value by using a constant value of 0,511.*

**Keyword:** *double exponential smoothing, forecasting*