

**ANALISIS PENGENDALIAN ITEM GUDANG SPAREPART
BERDASARKAN METODE ABC, FSN, DAN SDE (3-D MUSIC) STUDI
KASUS UMKM BENGKEL HB MOTOR**

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ABSTRAK

Penelitian ini berjudul “Analisis pengendalian item gudang sparepart berdasarkan klasifikasi ABC, FSN, dan SDE (*3-D Music*) studi kasus UMKM bengkel HB Motor”. Adapun masalah yang dialami yaitu belum dilaksanakannya proses pengendalian item dan pengaturan persediaan item secara maksimal yang mengakibatkan penataan item digudang belum teratur dan belum tercapainya maksimasi profit yang didapat. Penelitian ini bertujuan untuk mengklasifikasi item berdasarkan analisis klasifikasi ABC, SDE, dan FSN serta menentukan EOQ (*Economic OrderQuantity*), ROP (*Re-Order Point*) dan TIC (*total inventory cost*) berdasarkan analisis kombinasi klasifikasi ABC, SDE, dan FNS. Hasil dari analisa kombinasi ABC, FSN, dan SDE yang sebelumnya dilakukan dan mendapatkan hasil berupa pada titik AFE ada 8% item, pada titik ANS ada 5% item, pada titik ASE 8% item, pada titik BFE ada 5% item, pada titik BND ada 7% item, pada titik BNS ada 7% item, pada titik BSE ada 12% item, pada titik CFE ada 12% item, pada titik CND ada 18% item, pada titik CNE ada 7% item, pada CNS ada 5% item, pada titik CSE ada 7% item.

Kata Kunci: Klasifikasi Item, *3D Music*, Metode EOQ, TIC(*Total Inventory Cost*), RPO (*Reorder Point*)

**ANALYSIS OF SPARE PARTS WAREHOUSE CONTROL BASED ON ABC,
FSN, and SDE (3-D MUSIC) CLASSIFICATION CASE STUDY OF UMKM
WORKSHOP HB MOTOR**

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ABSTRACT

This research is entitled "Analysis of spare parts warehouse control based on ABC, FSN, and SDE (3-D Music) classification case study of UMKM workshop HB Motor". The problems experienced are that the item control process and item inventory settings have not been implemented optimally which resulted in irregular item arrangements and the maximum profit obtained has not been achieved. This study aims to classify items based on ABC, SDE, and FSN classifications and determine EOQ (Economic Order Quantity), ROP (Reorder Point), and TIC (total inventory cost) based on a combination analysis of ABC, SDE, and FNS classifications. The results of the previous ABC, FSN, and SDE combination analysis and obtained results in the form of at the AFE point there were 8% items, at the ANS point there were 5% items, at the ASE point 8% items, at the BFE point there were 5% items, at the BFE point there were 5% items. At the BND point there are 7% items, at the BNS point there are 7% items, at the BSE point there are 12% items, at the CFE point there are 12% items, at the CND point there are 18% items, at the CNEpoint there are 7% items, at the CNS there are 5 % items, at the point of CSE thereare 7% items.

Keywords: *Item Classification, 3D Music, EOQ Method, TIC(Total Inventory Cost), ROP(Reorder Point).*