

**PENGGUNAAN SYSTEM USABILITY SCALE DAN
QUESTIONNAIRE USER INTERFACE SATISFACTION
DALAM EVALUASI KEPUASAN PENGGUNA DESAIN
DASHBOARD MANAJEMEN ASET TANGIBLE DI PT XYZ**

Teuku Muhammad Azzan

ABSTRAK

PT XYZ merupakan salah satu *aggregator* dan *warehouse* di Indonesia yang menyediakan jasa pengiriman barang serta sewa gudang. Pada *database* manajemen aset, belum ada penyajian data dalam bentuk visual yang bisa menunjukkan informasi persebaran data dalam bentuk grafik sehingga kesulitan dalam melihat persebaran aset. Maka dari itu, dibutuhkan suatu *dashboard* dalam membuat suatu analisis menjadi visual persentasi untuk mengukur kinerja aset. *Dashboard* visualisasi dirancang di *Google Data Studio* dengan pendekatan model ADDIE. *Dashboard* yang dirancang terdiri dari *Asset Utilization Performance*, *Asset Retirement Performance*, *Asset Request Tracker*, dan *Asset Search*. Setelah itu, dilakukan evaluasi kepuasan desain *database* manajemen aset sebelum dan sesudah penerapan *dashboard* visualisasi menggunakan kuesioner *System Usability Scale* (SUS) serta *Questionnaire for User Interface Satisfaction* (QUIS). Evaluasi dengan kuesioner SUS memberikan hasil peningkatan yaitu dari skor 47,05 menjadi 75. Evaluasi dengan kuesioner QUIS memberikan hasil peningkatan yaitu dari skor 125,77 menjadi 181,18. Selain itu, dilakukan pengujian dengan memberikan tugas yang disesuaikan dengan kebutuhan data dan didapatkan rata-rata persentase penurunan waktu pengerjaan setelah diterapkan *dashboard* visualisasi, yaitu sebesar 60,25%.

Kata Kunci: *Aset Tangible*, *Manajemen Aset*, *Database*, *Dashboard* Visualisasi, *Model ADDIE*, *System Usability Scale*, *Questionnaire for User Interface Satisfaction*

***THE USE OF THE SYSTEM USABILITY SCALE AND THE
QUESTIONNAIRE FOR USER INTERFACE SATISFACTION IN
EVALUATING USER SATISFACTION WITH THE DESIGN OF
THE TANGIBLE ASSET MANAGEMENT DASHBOARD AT PT
XYZ***

Teuku Muhammad Azzan

ABSTRACT

PT XYZ is one of the aggregators and warehouses in Indonesia that provides shipping services and warehouse rentals. In the asset management database, there is currently no visual data presentation that can show information distribution in the form of graphs, making it difficult to see asset distribution. Therefore, a dashboard is needed to transform the analysis into a visual presentation to measure asset performance. The visualization dashboard is designed in Google Data Studio using the ADDIE model approach. The designed dashboard consists of Asset Utilization Performance, Asset Retirement Performance, Asset Request Tracker, and Asset Search. Subsequently, an evaluation of the asset management database design satisfaction before and after implementing the visualization dashboard was conducted using the System Usability Scale (SUS) and the Questionnaire for User Interface Satisfaction (QUIS). The evaluation with the SUS questionnaire showed an improvement, with the score increasing from 47.05 to 75. The evaluation with the QUIS questionnaire showed an improvement, with the score increasing from 125.77 to 181.18. Additionally, testing was conducted by assigning tasks tailored to data needs, and the average percentage reduction in completion time after implementing the visualization dashboard was found to be 60.25%.

Keyword: *Tangible Asset, Asset Management, Database, Visualization Dashboard, ADDIE Model, System Usability Scale, Questionnaire for User Interface Satisfaction*