

***USABILITY TESTING* APLIKASI INFORMASI OBAT BERBASIS *QR*
CODE APOTECH.ID PADA PASIEN HIPERTENSI PUSKESMAS
MANTRIJERON KOTA YOGYAKARTA**

INTISARI

Aplikasi apotech.id didesain sebagai informasi obat dan pengingat minum obat. Tujuan penelitian untuk mengetahui *usability* aplikasi apotech.id berdasarkan efektivitas, efisiensi, dan kepuasan pada pasien hipertensi Puskesmas Mantrijeron, Kota Yogyakarta.

Penelitian ini adalah deskriptif eksploratif. *Usability testing* dilakukan setelah partisipan mencoba penggunaan apotech.id. *Purposive sampling* dilakukan dan diperoleh 11 partisipan memenuhi syarat inklusi dan eksklusi. Partisipan mengisi kuesioner dan mengikuti wawancara mendalam semi terstruktur. Sampel ditambah 2 apoteker dan 2 keluarga dengan *maximum variation sampling*. Analisis deskriptif kuantitatif dilakukan untuk hasil kuesioner dan analisis deskriptif kualitatif untuk hasil wawancara.

Hasil persentase *usability* adalah 96,15% dengan komponen efektivitas sebesar 96,97%, efisiensi 100% dan kepuasan 91,48%. Data kualitatif menghasilkan beberapa hal yang perlu ditindak lanjuti yaitu (1) tulisan perlu diperbesar (2) perlu otomatisasi data waktu minum obat (3) data disarankan terhubung dengan sistem administrasi puskesmas (4) tampilan riwayat minum obat diringkas (5) perbaikan agar aplikasi dapat digunakan secara *offline* (6) apoteker menyarankan tidak perlu *log-out* untuk mencari riwayat minum obat (7) tampilan dibuat lebih berwarna (8) konsistensi alarm perlu diperbaiki (9) informasi diperjelas (10) perlu ditambah fitur cek interaksi obat, informasi gejala penyakit, foto obat, *tagline* kembali ke apoteker dan persentase kepatuhan. Hasil *usability testing* menunjukkan bahwa apotech.id telah baik menurut partisipan.

Kata Kunci: Desain informasi obat, aplikasi, hipertensi, *QR Code*, *usability testing*

USABILITY TESTING OF QR CODE-BASED DRUG INFORMATION APPLICATION APOTECH.ID TO HYPERTENSIVE PATIENT AT PRIMARY HEALTH CARE MANTRIJERON YOGYAKARTA

ABSTRACT

Apotech.id is drug information design in smartphone application form which provides medicine alarm as well. This research aims to test the usability of apotech.id by their effectiveness, efficiency and satisfaction to hypertension patients in Puskesmas Mantrijeron, Kota Yogyakarta.

This research is descriptive-exploratory. Purposive sampling conducts 11 participations qualified to inclusion and exclusion criteria. Filling out questionnaire and semi structured interview performed. Through maximum variation sampling, 2 pharmacists and 2 family members are added as participant to enrich data. Quantitative descriptive analysis performed to questionnaire's result and qualitative descriptive analysis performed to interview's data.

Usability percentage result is 96,15% means good based on participants, effectiveness 96,97%, efficiency 100% and satisfaction 91,48%. Some findings indentified from qualitative data: (1) make font larger (2) automatization is needed for medication time (3) recommended to connect puskesmas administration data to apotech.id (4) medication record layout needs to be simplified (5) application still can be used offline is recommended (6) recommended that pharmacist does not need to log-out prior to checking record (7) make it more eye-catching (8) alarm consistency need to be improved (9) make information clearer (10) add drug interaction checking feature, information about symptoms, drug photo, tagline states return to pharmacist for more information and adherence's percentage. Usability testing result shows that apotech.id's usability is good.

Keywords: Drug information design, application, hypertension, *QR Code*, *usability testing*