

ANALISIS EFEKTIVITAS BIAYA (COST EFFECTIVENESS ANALYSIS) TERAPI DUA KOMBINASI ANTIDIABETES PADA PASIEN DIABETES MELITUS TIPE 2 RAWAT JALAN DI RSUD SLEMAN

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INTISARI

Latar Belakang: Diabetes melitus (DM) tipe 2 adalah salah satu penyakit metabolism kronis yang ditandai dengan meningkatnya kadar gula darah akibat resistensi insulin. Prevalensi DM tipe 2 di Indonesia sekitar 10,7 juta penderita. Berdasarkan data klaim BPJS total biaya pengobatan DM tipe 2 dan komorbidnya menghabiskan dana sebanyak Rp. 7,7 trilliun. Besarnya biaya pengobatan DM tipe 2 menyebabkan perlunya kajian farmakoekonomi yakni *Cost Effectiveness Analysis* (CEA) untuk melihat terapi kombinasi antidiabetes yang *cost effective*.

Tujuan Penelitian: Mengetahui efektivitas biaya terapi dua kombinasi antidiabetes pada pasien DM tipe 2 rawat jalan di RSUD Sleman.

Metode Penelitian: Deskriptif non eksperimental dengan pendekatan *cross sectional* secara retrospektif berdasarkan perspektif *payer*. Sampel pada penelitian ini adalah pasien DM tipe 2 rawat jalan di RSUD Sleman yang menggunakan terapi dua kombinasi antidiabetes. Pengambilan sampel menggunakan teknik *total sampling* yang diperoleh sebanyak 47 pasien. Efektivitas biaya terapi digambarkan dengan nilai ACER dan ICER.

Hasil: Berdasarkan penelitian ini terapi yang paling banyak digunakan pada pasien DM tipe 2 rawat jalan di RSUD Sleman adalah kombinasi antidiabetes Metformin + Glimepiride sebanyak 10 pasien (21,27%). Total rerata biaya medis langsung paling kecil terdapat pada kombinasi Metformin + Glimepiride sebesar Rp 163.730. Nilai ACER yang terendah terdapat pada kombinasi Metformin + Glimepiride sebesar Rp 1.819 dan nilai ICER terendah pada kombinasi Ryzodeg + Metformin sebesar -Rp 4.840.

Kesimpulan: Terapi kombinasi antidiabetes pada pasien DM tipe 2 rawat jalan di RSUD Sleman yang *cost effective* adalah kombinasi Metformin + Glimepiride.

Kata kunci: DM tipe 2, Efektivitas biaya, Kombinasi dua antidiabetes.

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COST EFFECTIVENESS ANALYSIS OF TWO ANTIDIABETIC COMBINATION THERAPIES IN OUTPATIENT TYPE 2 DIABETES MELLITUS PATIENTS AT SLEMAN HOSPITAL

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ABSTRACT

Background: Type 2 diabetes mellitus (DM) is one of the chronic metabolic diseases characterized by increased blood sugar levels due to insulin resistance. The prevalence of type 2 DM in Indonesia is around 10.7 million sufferers. Based on BPJS claim data, the total cost of type 2 DM treatment and comorbidity costs Rp. 7.7 trillion. The high cost of treating type 2 DM causes the need for pharmacoeconomic studies, namely *Cost Effectiveness Analysis* (CEA) to see cost-effective antidiabetic combination therapy.

Objective: Determine the cost-effectiveness of two antidiabetic combination therapies in outpatient type 2 DM patients at Sleman Hospital.

Method: Descriptive non-experimental with *cross sectional* approach retrospectively based on *payer* perspective. The sample in this study was an outpatient type 2 DM patient at Sleman Hospital who used two antidiabetic combination therapies. Sampling using *total sampling technique* obtained as many as 47 patients. The cost-effectiveness of therapy is illustrated by ACER and ICER values.

Results: Based on this study, the most widely used therapy in outpatient type 2 DM patients at Sleman Hospital was the combination of antidiabetic Metformin + Glimepiride as many as 10 patients (21.27%). The smallest total direct medical cost is found in the combination of Metformin + Glimepiride of Rp 163,730. The lowest ACER value is found in the combination of Metformin + Glimepiride of IDR 1,819 and the lowest ICER value in the combination of Ryzodeg + Metformin of -IDR - 4.840.

Conclusion: Antidiabetic combination therapy in outpatient type 2 DM patients at RSUD Sleman that is *cost effective* is the combination of Metformin + Glimepiride.

Keywords: DM type 2, Cost-effectiveness, Combination of two antidiabetics.

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