

Abstract: This study aims to determine cost effectiveness and efficiency of DM type 2. This study used crosssectional design, data is collected by retrospective retrieval from medical record. The subjects of study each 50 patients with a combination of gliquidone metformin and glimepirid metformin. The effectiveness of antidiabetic drugs was measured by counting the number of patients with diabetes mellitus type 2 whose blood sugar < 180 mg/dl (the latest of GDPP data) The unit cost of combination of gliquidone metformin of Rp. 4.430.702 smaller than the combination of glimepirid metformin of Rp. Rp.4.625.569 with the value of Cost Effective Ratio (CER) of combination gliquidone metformin drug of 0.9579 < 1. From on independent t statistic test obtained results for decreased blood sugar of 0.787 > 0.05 significant level, for a total cost of 0.367 > 0.05. Therapy diabetes mellitus type 2 from two combination showed no significant difference ($p > 0,05$).

Keywords: Analysis Effectivitas Cost, Diabetes Mellitus Tipe 2, Gliquidone Metformin, Glimipirid Metformin

Abstrak: Penelitian ini bertujuan melakukan analisis efektivitas dan efisiensi biaya pada terapi kombinasi obat diabetes mellitus tipe 2. Penelitian ini menggunakan design crosssectional pengambilan data secara retrospektif dari rekam medik. Subjek penelitian ini masing-masing 50 pasien dengan kombinasi gliquidone metformin dan glimepiride metformin. Efektivitas obat anti diabetes diukur dengan menghitung jumlah pasien diabetes tipe 2 yang gula darah 2 jam post prandial < 180 mg/dl (data GDPP terakhir). Unit cost kombinasi gliquidone metformin Rp.4.430.702 lebih kecil dibanding kombinasi glimepiride metformin Rp.4.625.569 dengan nilai Cost Effective Ratio (CER) kombinasi gliquidone metformin 0,9579 < 1. Berdasarkan uji statistic t independent didapat hasil penurunan gula darah 0,787 > 0,05, untuk total biaya langsung 0,367 > 0,05. Terapi diabetes melittus tipe 2 dari 2 kombinasi menunjukkan tidak berbeda signifikan ($p > 0,05$).

Kata kunci: Analisis Efeektivitas Biaya, Diabetes Mellitus Tipe 2, Gliquidone Metformin, Glimipirid Metformin,