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**ANALISIS EFEKTIVITAS BIAYA (*COST EFFECTIVENESS ANALYSIS*)
PENGGUNAAN AMITRIPTYLINE DIBANDINGKAN CARBAMAZEPINE PADA
PASIEN NYERI NEUROPATHIK**

ABSTRAK

Latar Belakang : Nyeri neuropatik merupakan nyeri yang disebabkan oleh kerusakan dari sistem saraf. Pengobatan nyeri neuropatik yang relatif lama dapat mempengaruhi keuangan pasien sehingga dibutuhkannya analisis efektivitas biaya. Penelitian bertujuan untuk menganalisis biaya untuk menentukan pilihan terapi obat yang baik dengan biaya yang cukup relatif murah.

Metode : Penelitian ini menggunakan kajian literatur atau *literature review* dengan membandingkan 5 artikel terdiri dari 1 jurnal internasional dan 4 nasional terakreditasi sinta.

Hasil : Berdasarkan hasil review artikel di mana efektivitas biaya yang di dapatkan yaitu biaya terapi amitriptilin lebih murah Rp. 41.695,00 dibandingkan dengan carbamazepin Rp. 47.380. Hasil analisis ACER di dapatkan amitriptilin Rp. 55.593,30 dan carbamazepin Rp. 59.225,00. Hasil analisis yang ICER di dapatkan Rp. 1.137,00.

Kesimpulan : Amitriptilin bisa menjadi pilihan terapi pada pasien nyeri neuropatik dengan efektivitas terapi sama dengan carbamazepin namun dengan biaya yang lebih rendah.

Kata Kunci : nyeri neuropatik, amitriptilin dan carbamazepin, *cost-effectiveness*.

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**ANALYSIS OF COST EFFECTIVENESS (*Cost Effectiveness Analysis*) OF
AMITRIPTYLINE COMPARED WITH CARBAMAZEPIN IN NEUROPATHIC PAIN
PATIENTS**

ABSTRACT

Background : Neuropathic pain is pain caused by damage to the nervous system. The development starts from disorders of the body systems that give signs of pain, which are caused by disorders of the peripheral nervous system and central nervous system, such as metabolic (diabetic neuropathic pain), infections (post herpes pain), post stroke pain, trigeminal neuralgia and postoperative pain. Treatment of neuropathic pain that is relatively long can affect the patient's finances, so a cost-effectiveness analysis is needed. This is intended to analyze costs to determine a good drug therapy option at a relatively low cost.

Method : This study uses a literature review or literature review by comparing 5 articles consisting of 1 international journal and 4 nationally accredited Sinta.

Results : Based on the results of the review article where the cost effectiveness obtained is that the cost of amitriptyline therapy is cheaper, Rp. 41,695.00 compared to carbamazepin Rp. 47,380. The results of the ACER analysis obtained amitriptyline Rp. 55,593.30 and carbamazepin Rp. 59,225.00. The results of the analysis obtained by ICER were Rp. 1,137.00.

Conclusion : Amitriptyline may be a therapeutic option in neuropathic pain patients with the same therapeutic effectiveness as carbamazepine but at a lower cost.

Keywords : Neuropathic neuropathy, amitriptyline and carbamazepine, *cost-effectiveness*.