ABSTRAK

Stroke merupakan penyebab utama kematian dan kecacatan di Indonesia, termasuk di Kota Medan, dengan angka kejadian yang terus meningkat. Kondisi ini belum didukung oleh fasilitas kesehatan khusus yang mampu menangani stroke secara menyeluruh dari tahap darurat hingga rehabilitasi. Selain itu, lingkungan fisik berperan penting dalam proses penyembuhan pasien. Penelitian ini bertujuan merancang Rumah Sakit Khusus Stroke di Kota Medan dengan pendekatan arsitektur ramah lingkungan melalui konsep healing environment guna meningkatkan kenyamanan fisik dan psikologis pengguna. Metode yang digunakan meliputi pengumpulan data, studi literatur, analisis tapak, analisis kebutuhan ruang, serta pengembangan konsep desain. Hasil perancangan menunjukkan bahwa penerapan pencahayaan alami, ventilasi silang, elemen alam, serta sirkulasi yang baik mampu menciptakan lingkungan yang nyaman, sehat, dan mendukung proses pemulihan pasien secara optimal, sekaligus menghasilkan fasilitas yang terintegrasi, efisien, dan berkelanjutan.

Kata Kunci: Arsitektur Ramah Lingkungan, *Healing Environment,* Medan, Rumah Sakit Stroke, Rumah Sakit Khusus.

ABSTRACT

Stroke is one of the leading causes of death and disability in Indonesia, including in the city of Medan, with an incidence rate that continues to increase annually. This condition is not yet supported by specialized healthcare facilities that provide comprehensive stroke care, from emergency treatment to long-term rehabilitation. In addition, the physical environment plays a significant role in the patient recovery process. This study aims to design a Specialized Stroke Hospital in Medan using an environmentally friendly architectural approach through the healing environment concept to enhance physical and psychological comfort for users. The methods include data collection, literature review, site analysis, space requirement analysis, and design concept development. The results indicate that the application of natural lighting, cross ventilation, integration of natural elements, and efficient circulation systems can create a comfortable, healthy environment that optimally supports patient recovery, while also producing an integrated, efficient, and sustainable healthcare facility.

Keywords: *Environmentally Friendly Architecture, Healing Environment Stroke, Medan, Specialized Hospital.*