

**RINGKASAN**

**PENGEMBANGAN *TRAUMA CENTER* SEBAGAI PROGRAM  
UNGGULAN**

**RUMAH SAKIT PELABUHAN SURABAYA**

(Analisis Kebutuhan Pasar akan keberadaan Trauma Center di  
Rumah Sakit Pelabuhan Surabaya)

Penanganan terhadap pasien yang terluka telah ditemukan pada praktek pengobatan sejak dahulu kala. Kata "trauma" berasal dari bahasa Yunani "*iatros*" yang berarti "luka pada bagian tubuh". *Trauma Center* yang pertama digunakan pada penanganan tentara-tentara dari pasukan Napoleon yang terluka.

Insiden trauma saat ini meningkat karena adanya industrialisasi, urbanisasi, peningkatan transportasi dan jumlah kendaraan bermotor, kekerasan yang terjadi di masyarakat, konflik sosial dan perbuatan manusia yang menyebabkan timbulnya bencana alam.

Trauma adalah pembunuh nomer 1 untuk usia dibawah 40 tahun dan menempati urutan teratas angka kesakitan, kematian, kecacatan yang menyebabkan kerugian ekonomi terhadap suatu negara.

*Trauma Center* saat ini didefinisikan sebagai sebuah fasilitas RS yang khusus menyediakan kebutuhan akan adanya dokter bedah spesialis, dokter spesialis, ahli anestesi, perawat dan peralatan "*life support*" secara cepat, selama 24 jam untuk menangani pasien yang terluka berat atau pasien terluka yang beresiko lukanya bertambah gawat

Trauma Center merupakan program yang dicanangkan oleh Rumah Sakit Pelabuhan Surabaya pada tahun 2003 sebagai program unggulan. Pemilihan program unggulan tersebut dibuat berdasarkan pertimbangan: lokasi RSPS yang dekat dengan jalan raya dan Pelabuhan Tanjung Perak, angka kecelakaan lalulintas dan angka kecelakaan kerja yang meningkat, merupakan pintu gerbang Surabaya utara, serta dikelilingi oleh beberapa perusahaan besar. RSPS berharap untuk dapat melayani pasien kecelakaan lalu lintas darat maupun laut serta kecelakaan kerja.

*Trauma Center* merupakan satu kesatuan dari beberapa unit kegiatan yang saling mendukung dalam terlaksananya pelayanan penanganan terhadap trauma. *Trauma Center* meliputi unit: Instalasi Gawat Darurat (IGD), ambulans, laboratorium, radiologi, kamar operasi, *Intensive Care Unit* (ICU), rehabilitasi medik, dan apotek. Untuk pengembangan program unggulan *Trauma Center* dibutuhkan kerja sama antar unit yang baik, dengan Instalasi Gawat Darurat (IGD) dan pemasaran sebagai ujung tombak.

Penelitian ini bertujuan untuk mempelajari kondisi aspek *technical* dan *operational Trauma Center* Rumah Sakit Pelabuhan Surabaya, yang akan menentukan kategori level *Trauma Center* di Rumah Sakit Pelabuhan Surabaya dan menilai kebutuhan pasar terhadap adanya *Trauma Center* di Rumah Sakit Pelabuhan Surabaya. Hasil yang didapatkan dari penelitian ini dapat dipakai sebagai masukan bagi rumah sakit dalam pengembangan *Trauma Center* sebagai program unggulan.

Aspek *technical* dan *operational Trauma Center* dinilai dengan membandingkan dengan nilai standar normatif yang didapatkan dari berbagai sumber. Kebutuhan pasar terhadap keberadaan *Trauma Center* berdasarkan jurnal *Region Designations*, yaitu dilihat dari jarak geografis dari pelayanan trauma yang sudah ada, faktor transportasinya, lokasi populasi dan kepadatannya, perkiraan jumlah pasien trauma, pola rujukan pasien, RS atau pelayanan trauma lain dan rujukan yang ada di daerah tersebut.

Aspek *technical Trauma Center* Rumah Sakit Pelabuhan Surabaya, yaitu jenis pelayanan dan kelengkapan alat masuk dalam kategori sangat lengkap. Aspek *operational Trauma Center* Rumah Sakit Pelabuhan Surabaya, untuk jumlah sumber daya manusia masuk dalam kategori cukup dan untuk kompetensi SDM masuk dalam kategori kompeten. Kebutuhan pasar terhadap keberadaan *Trauma Center* di Rumah Sakit Pelabuhan Surabaya, masuk dalam kategori tinggi, karena hampir semua syarat pengadaan *Trauma Center* terpenuhi.

**SUMMARY****Trauma Center Development as a Main Program  
Of Surabaya Port Health Center  
(Market Demand Analysis of Trauma Center Existence  
at Surabaya Port Health Center)**

Care of the injured patient has been fundamental to the practice of medicine since recorded history. The word 'trauma' is derived from the Greek meaning 'bodily injury'. The first trauma centres were used to care for wounded soldiers in Napoleon's armies. Incidence of trauma is on the rise globally due to industrialisation, urbanisation, increase in mechanised transport, urban violence, social conflicts, and man-made as well as natural disasters.

Trauma is a number one killer below 40 years leading to high morbidity, mortality, disability and economic loss to the country. Trauma centre is defined as a specialised hospital facility distinguished by the immediate availability of specialised surgeons, physician specialists, anaesthesiologists, nurses, and resuscitation and life support equipment on a 24-hour basis to care for severely injured patients or those at risk for severe injury.

Trauma Center is a program launched in 2003 by the Surabaya Port Health Center (PHC) intended to be a PHC main program. The selected main program was based on several considerations, namely: PHC is situated on Tanjung Perak Seaport and located on broad street; high traffic accident rate and increased employment accident rate; gate of North Surabaya point-of-entry, and surrounded by numerous big companies. PHC expects to serve ground traffic accidents, sea accidents and workplace accidents patients.

Trauma Center is a unity of several activity units intersupporting in managing trauma implementation. Trauma Center consists of Emergency, ambulance, laboratory, radiology, Operating Theatres, Intensive Care Unit, Medical Rehabilitation, and Pharmacy. To develop this Trauma Center, good interunits work cooperation is prerequisite supported by the Emergency and Marketing Units as the front liners.

The purpose of this research was to study PHC Trauma Center technical and operational aspects, which will determine the Trauma Center level category and to evaluate the market demand for the existence of Trauma Center at Surabaya Port Health Center. The outcome of this research can be utilized for inputs in developing PHC Trauma Center.

The Trauma Center technical and operational aspects were evaluated by comparing normative standard values from several sources. Based on Region Designations Journal, Trauma Center market demand was viewed from geographical density, forecasting trauma patient, patient's referral pattern, other hospitals or Trauma Centers and other referral centers located in the same area.

PHC Trauma Center technical aspect is very complete both in variety of services and equipment-wise. The operational aspect of PHC Trauma Center in human resource is in moderate category, while for human competence is in high competence category. In conclusion, the market demand for PHC Trauma Center

is in high category due to all satisfactory compulsory requirements of Trauma Center.



**ABSTRACT**

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**Key words:** Trauma Center development, market demand