

Abstraksi

Kemajuan teknologi dan perkembangan zaman saat ini membuat segala sesuatunya menjadi lebih cepat, mudah, fleksibel, serta otomatis bila perlu. Segala sesuatu bermula dari mimpi. Dahulu manusia bermimpi agar bisa berkomunikasi langsung pada saat zaman surat-menyurat, maka terciptalah telepon. Saat telepon hanya bisa mendengar suara, manusia ingin juga melihat wajah lawan bicaranya, maka terciptalah camera (webcam) beserta sistem 3G dan sebagainya. Tidak dapat dipungkiri bahwa kemajuan bidang teknologi, khususnya penemuan robot sebagai salah satu perwujudan mimpi manusia yang tentunya akan membantu aktivitas manusia.

Mengikuti perkembangan teknologi yang serba otomatis dan modern saat ini, maka dibutuhkan suatu sarana yang dapat memfasilitasi baik para hobiis, maupun orang yang ingin mendalami tentang dunia robotic. Di Indonesia robotic hanya menjadi salah satu penjurusan dari perkuliahan (Teknik komputer, elektro, dan teknik mesin) sedangkan di negara lain telah tersedia program studi yang memang khusus untuk robotic. Kehadiran tempat-tempat kursus, beberapa di antaranya di Jakarta menunjukkan bahwa keberadaan robot sudah semakin dekat dengan kita. Berdasarkan hal tersebut maka diperlukan suatu wadah dimana robot menjadi objek yang benar-benar diteliti dan dikembangkan (Robotic Research & Development Centre).



Abstraction

Nowadays, the advance in technology makes everything becomes faster, easier, flexible, and even automatic. Every human creation starts from a dream. In the era of hand-written letters, one of man's dreams was to be able to communicate directly with others in spite of long long distance, hence a telephone was founded. As a telephone only produces sound, man wished to see his talking partner's face, then a camera (webcam) including the 3G system and so on was invented. Thanks to the advance in technolgy, a robot invention has to be admitted as one of man's dream that has turned into reality and has been expected to assist human activities.

Following the development in technology which tends to be more and more automatic and modern, a good facility that can facilitate the robotic hobbyist and those who want to gain knowledge about robotic world is required. In Indonesia, robotic is mostly only a sub-subject in the engineering departments (computer engineering, mechatronics, and so on) in universities, while in the developed countries, robotic has become a specific study program. The existence of course places about robotic, mainy located in Jakarta, shows the people awareness and interst about robotic field itself. Due to those facts, thus a particular robotic area is needed, where robots can be well-studied and developed (Robotic Research & Development Centre).

NATURAL vs ARTIFICIAL

