

## Pengembangan lengan robot artikulasi enam derajat kebebasan untuk pengendalian penanganan medis jarak jauh = Development of six degree of freedom articulated robotic arm control for teleoperated medical service

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Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20517640&lokasi=lokal>

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### Abstrak

COVID-19 had caused a global crisis in many aspects of many people life. This virus has shaken the infrastructure readiness on facing an emergency situation global health in the world. The most dangerous part of this virus is the way it spread. Patients with this disease can infect people within radius of 2 meters via air (airborne). Based on data received from Ikatan Dokter Indonesia (IDI), for every 100 people passed away due too COVID-19, 6-7 health personel also passed away with the same reason. Hence, it is important to have an autonomous intravenous liquid exchanger to reduce the chance of infected. With this device, medical personels can operate the arm robot from a control room to execute the operation of intravenous liquid exchange, temperature measurement, and blood pressure measurement.

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