



SEMINAR SENIN DEPARTEMEN FISIKA FSAD ITS SEMESTER GASAL 2022/2023

Seminar : Ke-5
Narasumber : A. N. Yusoff
Center for Diagnostic, Therapeutic and Investigative Studies
Universiti Kebangsaan Malaysia
Bentuk : Online / akan diupayakan Hybrid
Tempat/Link : Teater B
<https://its-ac-id.zoom.us/j/96886191019?pwd=S1pNS0dvU0R4WUJZQ0J0dHl1S0FuZz09>
Tanggal : 3 Oktober 2022
Waktu : 13.10 - 15.10 WIB

JUDUL: MAGNETIC RESONANCE IMAGING: SAFETY AND HAZARDS

Abstrak:

Magnetic resonance imaging (MRI) is a medical imaging modality frequently used to diagnose soft tissue conditions. The state of the art of MRI has resulted in superfast acquisitions and high resolution images. MRI images are produced by applying the static magnetic field (B_0), gradient field (G) and oscillating radiofrequency field (B_1) on to the anatomical region of interest without careful attention, these fields are potential hazards not only to the patients but also to the people working in the MRI environment. Thus, MRI safety has become prime importance for MRI-related workers to know and to practice. The potential hazards that the three types of magnetic fields can cause must become a daily serenade in any operating MRI units. This talk will explain the audience about each of the magnetic field above and the potential hazards they can cause.