

ABSTRACT

In The industrial manufacture, control of the product quality is important. That because to avoid product defects, connection damage of metal frames that can not be seen by naked eye is defect that need to be fear about. So Destructive testing and non-destructive testing (NDT) is metode that use for image capturing in the object. tomography is a technique to earn image of the object without being destructive (NDT) with many metode that being developed and one oh them is Magnetic Inductans Tomography (MIT) or Electromagnetic Tomography. Tomography induction of magnetic field needed variance of magnetic field intensity to use it. in this reserach Source of variable magnetic field has been designed to use coil for the source of magnetc field and change of the current that given to the coil to make variation of magnetic field intensity. The distance of Magnetic filed Source to the object for the induction can be set from 0.5 cm to 1 cm

Key Word : Destructive Testing and Non-Destrtructive Testing (NDT), Magnetic Inductans Tomography (MIT) or Electromagnetic Tomography, Variable Magnetic Field Source.