DETERMINATION OF SOLAR FLARES IN RADIO FLUX AND COMPARING THE TYPES OF SOLAR FLARES IN X-RAY REGION

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ABSTRACT

DETERMINATION OF SOLAR FLARES IN RADIO FLUX AND COMPARING THE TYPES OF SOLAR FLARES IN X-RAY REGION

The Sun is one of the prominent features in our galaxy. The Sun itself has tremendous secrets that are still need to be study for example the energy in term of photon which is driven throughout the light which emitted from the Sun. Sun has very complicated features as it has numbers of activities that play important role in our life on earth. It is also known as the solar activities. In this study, one of the solar activities that are presented is the solar flares. Solar flares are kind of explosions or eruptions that occur due to the changes of magnetic field lines of the Sun. Solar flares can be classified into 3 classes as each type has their own effects towards earth. These flares are often associated with emerges of solar radio flux. Data were gathered from the NOAA (SWPC) and the theoretical parts were presented throughout this study. The total numbers of flares and its relation with solar radio flux emitted at a wavelength of 10.7 cm were presented in this study.