



COURSE SPECIFICATION 1st SEMESTER

Course Name : Climate in Qur'an Perspective
Code : KP 113
Credit : (2-0)

Course Description:

This course is discussed the climate phenomena on the earth, the position of the earth in the Galactic System and its influence on the emergence of climate components, as well as their effect on crop growth based on Islamic values that are derived from the verses of the Qur'an.

References:

- Lakitan Benyamin. 1994. Dasar Dasar Klimatologi. PT Raja Grafindo Rersada. Jakarta 175h.
- Tjasyono Bayong. 1992 Klimatologi Terapan Pionir Jaya Bandung. 274h.
- Gunawan Budiyanto. 2001. Diktat Kuliah Klimatologi Dasar. Fakultas Pertanian Universitas Muhammadiyah Yogyakarta. 52h.
- Handoko (ed.). Klimatologi Dasar. Pustaka Jaya. Jakarta. 192h.
- Hollinger, S.E. 2001. Agricultural Climatology. Dept. of natural Resources and Environmental Sc. www.aces.uiuc.edu. 21p.

Topics:

1. Basic cultivation of crops, ecosystems, and agroecosystems, earth and the solar system. (al-a'raaf: 54) (yaa-siin: 38) (al-baqarah: 255)
2. Solar radiation, temperature, humidity, rainfall, and wind. (Al-an'aam: 99) (al-a'raf: 58) (Al-anbiyaa ": 30) (Ar-ruum: 48) (Al-hijr: 22) (Ar-ra'ad: 12-13)
3. The power of allah in maintaining and regulating the balance in heaven and on earth. (An-nisaa ': 132)
4. Allah commands humans not to cause harm on earth. (Al-baqarah: 11-12)
5. Solar radiation, daily (maximum and minimum) temperature fluctuations; humidity; wind direction and speed. (Al-baqarah: 22 & 258) (Ar-ra'd: 2)
6. Climate classification using mohr, schmidt and ferguson, oldeman, bakosurtana, irri and agrohydrology methodology
7. Pragmatic case of land use in several locations