Analisis statistik perbandingan temperatur virtual rass dan radiosonde di atas Kototabang Sumatera Barat saat kegiatan CPEA Campaign 1 berlangsung

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Abstrak

The virtual temperature (Tv) retrieval with good time and spatial height resolution (in a few minutes and a few hundred meters in altitude height) until now not yet done by many people. It is caused since radiosonde launch only one to fourth times in a day. Therefore, it is needed the special remote sensing instrument that specially arranged to solve this problem. One of them is the Radio Acoustic Sounding System (RASS) operated by LAPAN and Research Institute for Sustainable Humanosphere (RISH), Kyoto University, Japan during the Coupling Processes Equatorial Atmosphere (CPEA) campagin I from 10 April to 10 May, 2004 has already done at LAPAN Kototabang station. By using the statistical analysis, it is obtained a good correlation between Tv RASS and Tv radiosonde, especially on 29 April 2004 with the average of correlation coefficient is about 0.98. It shows that Tv RASS is significant and valid for advance analysis, such as for determination of relatif humidity value RH)