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
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2013 International Conference of Information and Communication Technology, ICoICT 2013

2013, Article number 6574594, Pages 322-327


2013 International Conference of Information and Communication Technology, ICoICT 2013; Bandung; Indonesia; 20 March 2013 through 22 March 2013; Category numberCFP13ICZ-ART; Code 99061

**Design and realization of two array triangle patch of microstrip antenna with gold plat at frequency 2400-2450 MHz for hexagonal nanosatellite** (Conference Paper)Saputra, W.N., Prasetya, B., Wahyu, Y. <sup>a</sup>Faculty of Electro and Communion, Telkom Institut of Technology, Bandung, Indonesia<sup>b</sup>Electronic and Telecommunication Research Center, Indonesian Institute of Sciences (LIPI), Bandung, Indonesia**Abstract**

Ministry of Education and Culture developed a nano-sized satellite technology, or so-called nanosatellite, to design Indonesia inter-University Satellite-1 (IiNUSAT-1) as a learning tool of space engineering, for the universities in Indonesia. These nano satellites orbiting in Low Earth Orbit trajectory (LEO). This satellite has a primary function for data communication. On the space segment subsystems are RSPL (Remote Sensing Payload) as an image sensor payload following the transmitter system (antenna) that can be used for sensing applications earth's surface. © 2013 IEEE.

**SciVal Topic Prominence** 

Topic: Microstrip antennas | Antennas | transparent antenna

Prominence percentile: 80.052 **Author keywords**
[arrays of microstrip antennas](#) [gain 6 dBi](#) [nano satellite](#) [s-band](#) [triangular patch](#)
**Indexed keywords**

Engineering uncontrolled terms

[Data-communication](#) [gain 6 dBi](#) [Ministry of Education](#) [Primary functions](#) [s-band](#)  
[Satellite technology](#) [Sensing applications](#) [Triangular patch](#)

Engineering controlled terms:

[Communication systems](#) [Information technology](#) [Nanosatellites](#) [Orbits](#)

Engineering main heading:

[Microstrip antennas](#)**Cited by 4 documents**

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For Satellites, Think Small, Dream Big: A review of recent antenna developments for CubeSats

*(2017) IEEE Antennas and Propagation Magazine*

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