

## ABSTRAK

Judul : Rancang Bangun Sistem Monitoring Bayi Tidur Berbasis Internet of Things (IoT)  
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Program Studi : Teknik Informatika

Kondisi bayi saat tidur merupakan kondisi yang memerlukan perhatian yang sangat intens secara langsung dari orang tua. Hal seperti suhu ruang, tingkat kelembaban udaranya, pergerakan bayi, suara sekitar dan lainnya membuat orang tua harus terus menerus memonitor bayi tidur. Saat ini Sistem Monitoring jarak jauh berbasis *Internet of Things* (IoT) sudah menjadi hal biasa, mengubah proses pemantauan di lingkungan fisik menjadi efektif dan efisien dengan bantuan Internet, smartphone, dan Raspberry PI. Melalui dunia maya kita dapat melakukan pemantauan tanpa harus hadir di tempat tersebut. Rancang Bangun Sistem Monitoring Bayi Tidur Berbasis *Internet Of Things* (IoT) diharapkan mampu menggantikan pemantauan fisik menjadi lebih efektif dan efisien.

Kata kunci : *Internet of Things, Sistem Monitoring, Kondisi Bayi Tidur, Bayi dan Orang Tua.*

## ABSTRACT

Title : *Design and Development Baby Sleep Monitoring System Based on Internet of Things (Iot)*  
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Study Program : *Informatics Engineering*

*The condition baby during sleep is a condition that requires very intense attention directly from the parents. Things like room temperature, room humidity, baby's movement, ambient noise and others, make parents have to continuously monitor baby's sleep. Nowadays, remote monitoring systems based on the Internet of Things (IoT) have become common thing, changing the monitoring process in the physical environment to be effective and efficient with the help of the Internet, smartphones, and Raspberry PI. Through the virtual world we can do monitoring without having to be present in the place. The design of the Internet of Things (IoT)-Based Baby Sleep Monitoring System is expected to be able to replace physical monitoring to be more effective and efficient.*

Keywords : *Internet of Things, Monitoring System, Baby's Sleep Condition, Baby and Parents.*