

## Tedi Smart, First Aid Solution to Fever in Children

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Toddlers are vulnerable to diseases as their immune systems have not yet developed fully. One ailment that is often experienced by toddlers is fever. This can worry their parents or even make them panic, so the fever must be handled correctly.

This solution was the work of two students from the School of Nursing at Universitas Gadjah Mada - Hanif Eka Cahyani and Siti Intan Nurhasanah. They made a tool to help the parents handle the fever properly. Working with Mechanical Engineering students, Fuad Chariri and Thomas Tri Hari Prihantoro, and an Electronics and Instrumentation student, Azizul Musyafa Nuryanto, under the guidance of Purwanta, S.Kp., M.Kes. they created the Tedi Smart, or Thermometer Digital-Smart Tool, that is integrated with a smartphone for first aid when the toddler is sick.

“The digital thermometer is integrated with the Tedi Smart application in the smartphone. The app shows the child’s temperatures, so their parents are informed regarding the proper treatment of the fever,” said Siti on Friday (17/6).

This app also comes with information on conditions of children that need prompt referrals to medical services where they can be given the correct treatment, such as the right medication, environment modification to reduce the fever, and suitable nutrition according to the age of the children.



The thermometer is made in the shape of a Teddy so that it is interesting to toddlers. It is equipped with rechargeable batteries and a charger. It connects via bluetooth to provide information for the handling of children when their body is not in the normal temperature range. Updates of the condition will be made for optimal first aid care.

“We also made an affordable Tedi Smart compress, made from smooth and washable cloths, so the child can still move freely during their sickness,” she said.

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