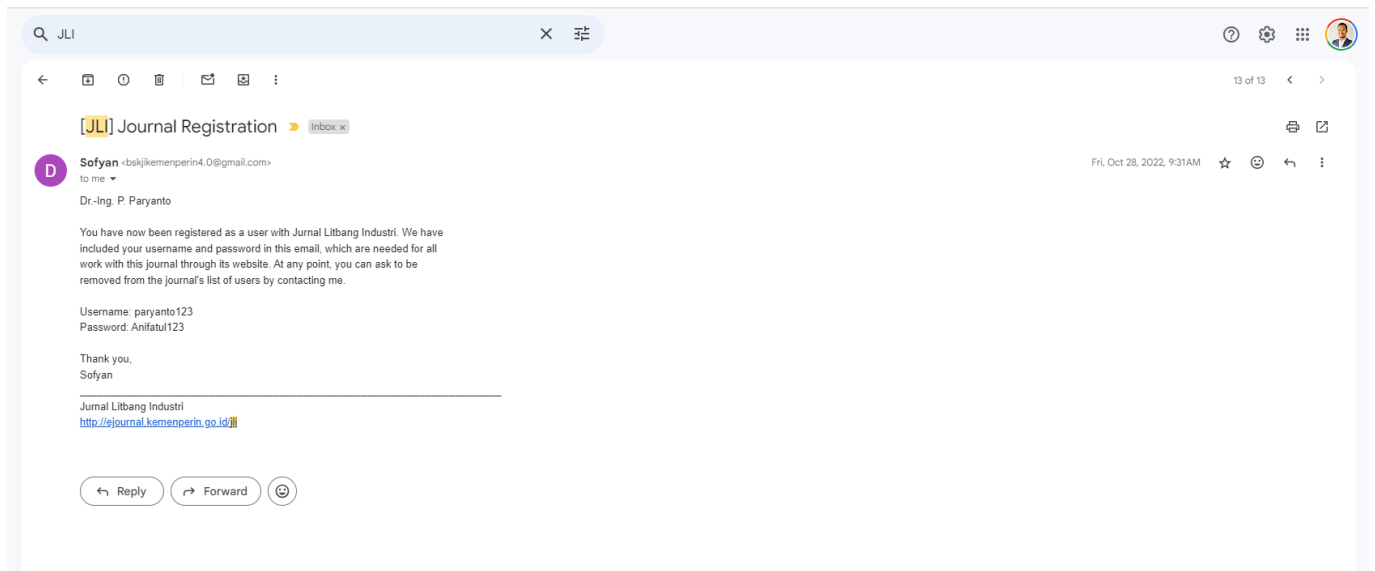


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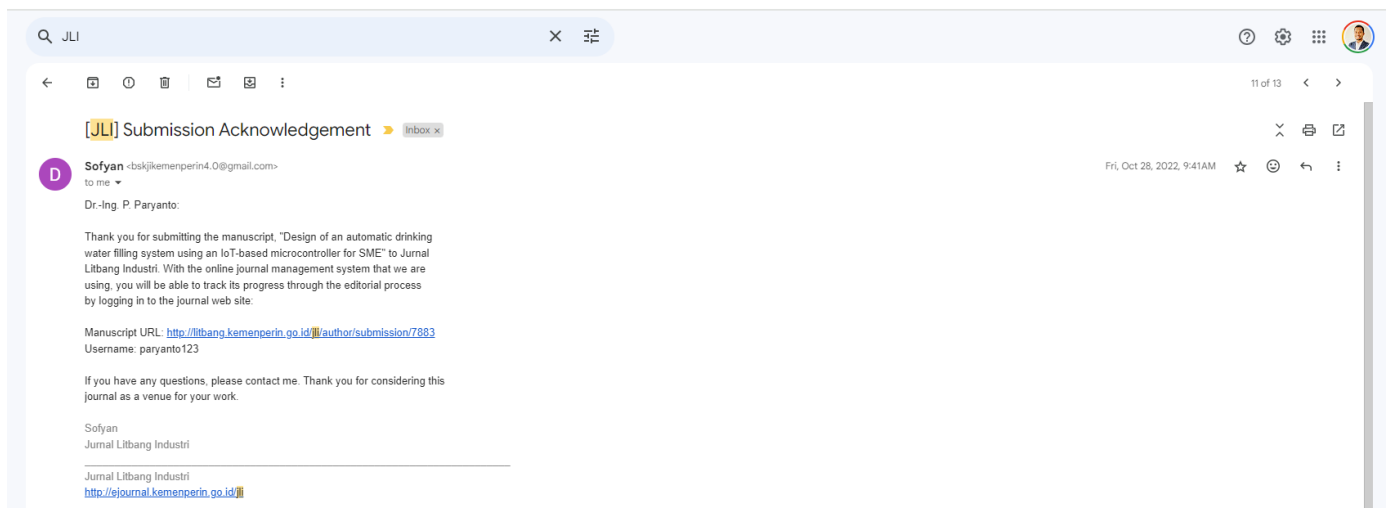
Penulis : **Paryanto** (*First author and corresponding author*)  
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Judul Paper : *Design of an automatic drinking water filling system using an IoT-based microcontroller for SME*

No	Jenis Korespondensi / Kegiatan	Tanggal	Lampiran bukti
1	Jurnal registration	Oct 28, 2022	Lampiran 1
2	Article submitted to the Journal	Oct 28, 2022	Lampiran 2
3	Editor decision: Revision (R1) – Paper template	Nov 17, 2022	Lampiran 3
4	Editor decision: Revision (R1) – content	Nov 25, 2022	Lampiran 4
5	Revised paper resubmitted R1	Nov 26, 2022	Lampiran 5
6	Editor decision: Revision (R2)	Dec 07, 2022	Lampiran 6
7	Revised paper resubmitted R2	Dec 07, 2022	Lampiran 7
8	Editor decision: Accepted	Dec 08, 2022	Lampiran 8
9	Paper published	Dec 30, 2022	Lampiran 9

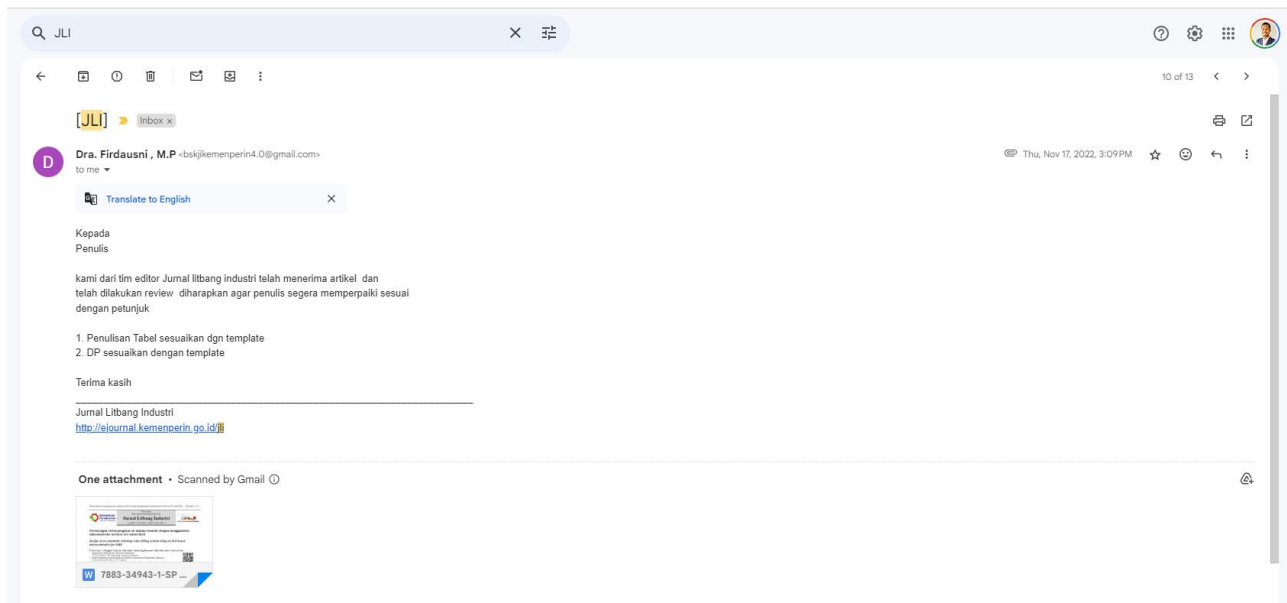
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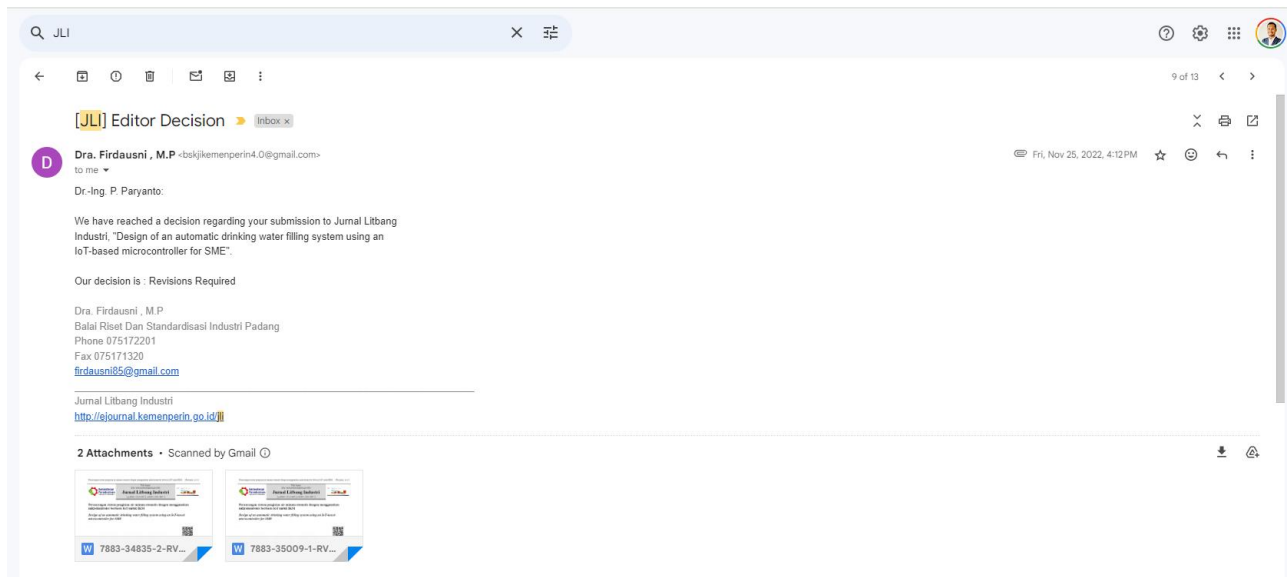
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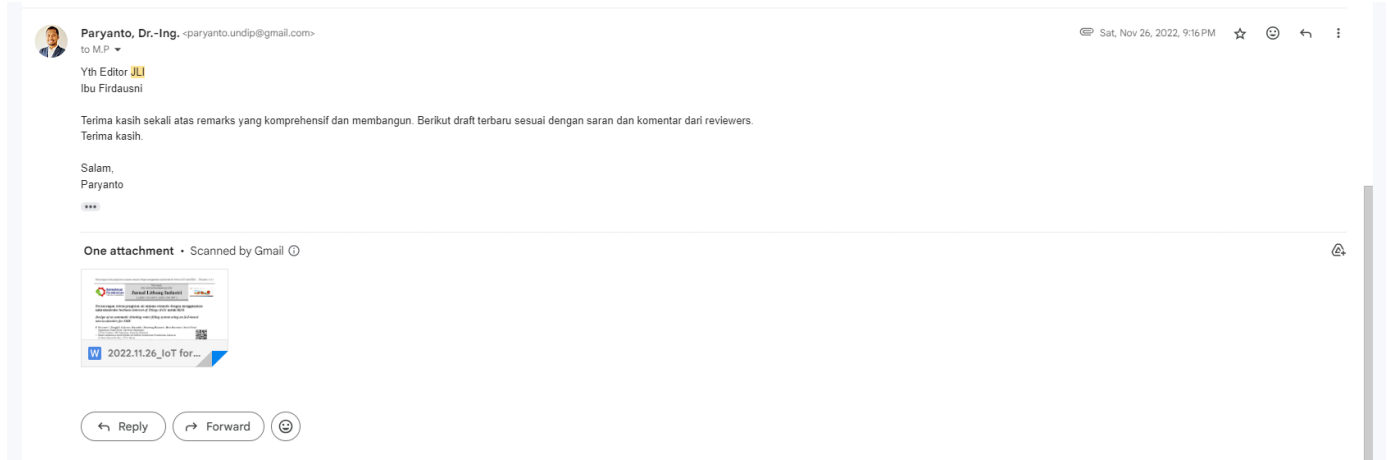
### Lampiran 3: Editor decision: Revision (R1) – Paper template



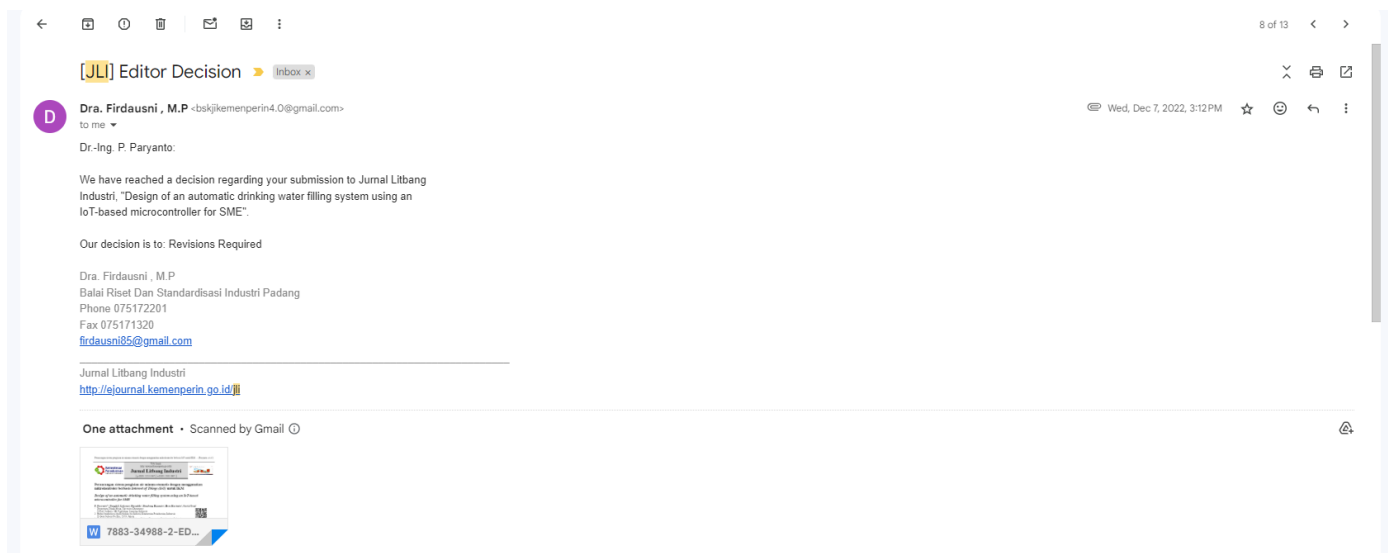
### Lampiran 4: Editor decision: Revision (R1) – Content



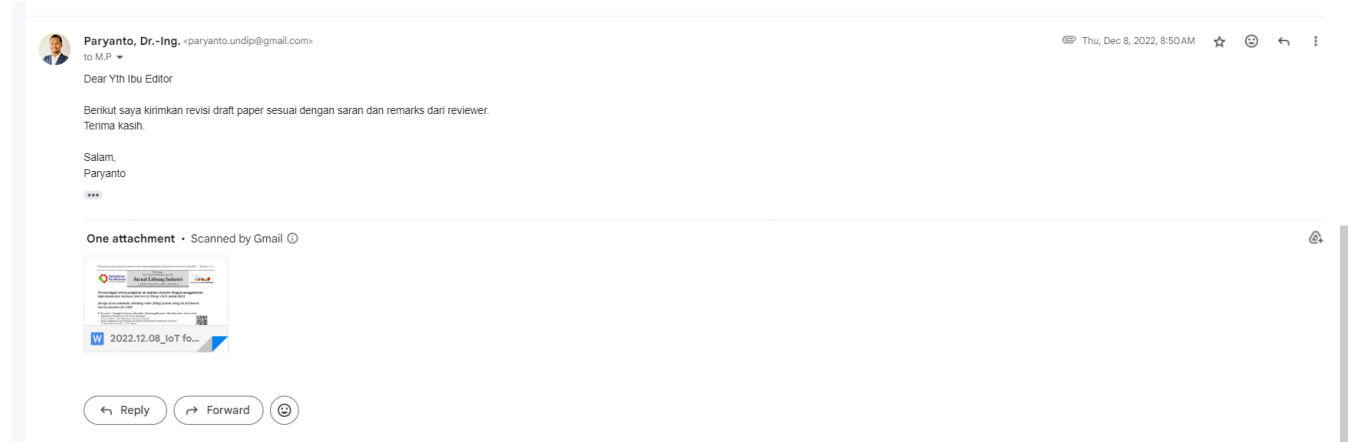
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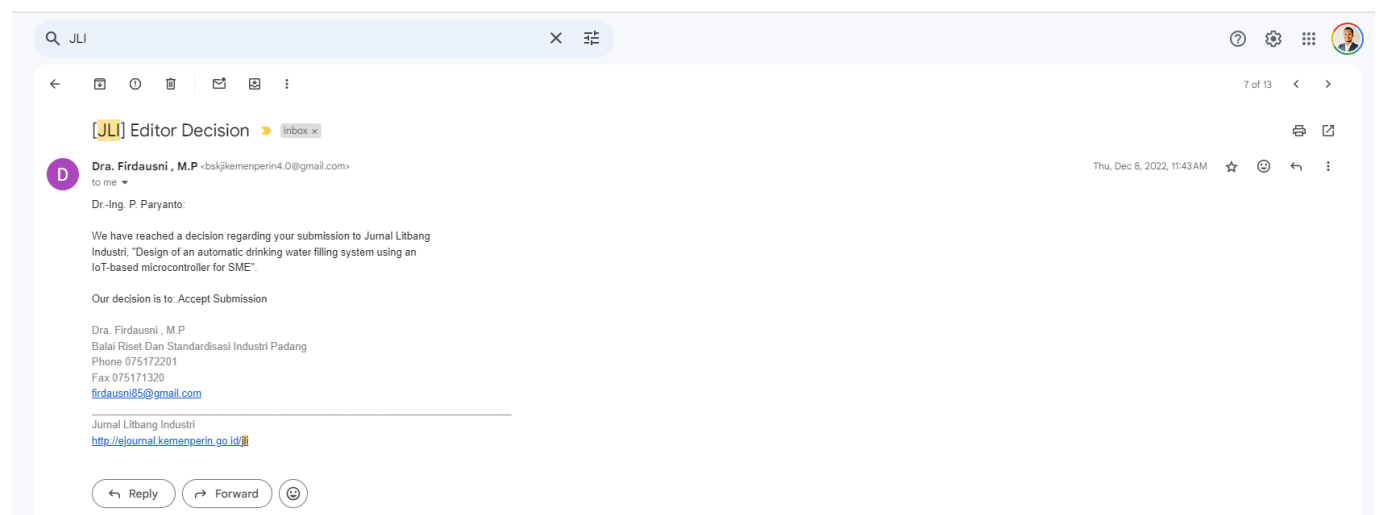
## Lampiran 6: Editor decision: Revised (R2)



## Lampiran 7: Revised paper resubmitted R2



## Lampiran 8: Editor decision: accepted



## Lampiran 9: Paper published

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### Design of an automatic drinking water filling system using an IoT-based microcontroller for SME

P. Paryanto, Pungki I. Laksana, R Rusnaldy, Bambang Riznanto, Heru Kustanto, Gustri Yeni

#### Abstract

Beverages and other commodities packaged in bottles for small and medium industries (SMEs) generally require a relatively long production time. This process is significantly dependent on the workers' skills to achieve higher production costs and low efficiency. Therefore, this research designed an automated water-filling device for improving and monitoring SMEs productivity in real-time. The system comprises four types of sensors, namely ultrasonic, temperature, TDS (total dissolved solids), and proximity. The ultrasonic and temperature sensors measure the water level and temperature in the holding tank. The TDS sensor measures the value of substances or particles dissolved in the water, while the proximity sensor detects and counts the number of bottles. Sensor readings are displayed on the LCD (liquid crystal display) and can be monitored via a smartphone using the Blynk application. In conclusion, the existing automation system accompanied by an IoT-based monitoring system can help SMEs to check the quality and efficiency of production in real-time.

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### Design of an automatic drinking water filling system using an IoT-based microcontroller for SME

#### *Perancangan sistem pengisian air minum otomatis dengan menggunakan mikrokontroler berbasis Internet of Things (IoT) untuk IKM*

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#### ABSTRACT

Beverages and other commodities packaged in bottles for small and medium industries (SMEs) generally require a relatively long production time. This process is significantly dependent on the workers' skills to achieve higher production costs and low efficiency. Therefore, this research designed an automated water-filling device for improving and monitoring SMEs productivity in real-time. The system comprises four types of sensors, namely ultrasonic, temperature, TDS (total dissolved solids), and proximity. The ultrasonic and temperature sensors measure the water level and temperature in the holding tank. The TDS sensor measures the value of substances or particles dissolved in



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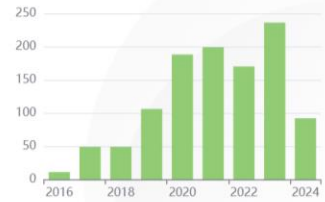
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