

Table 1: Part of the manuscript that underwent extensive English editing (using a professional English editing tool)

No	The sentence before being revised	In subsection	On	Sentence after revision
1	The garbage disposal container <b>serves to provide</b> a special place for everyone to dispose of garbage.	Introduction	Page 1, Column 1, Row 1-2	The garbage disposal container <b>provides</b> a special place for everyone to dispose of garbage.
2	<b>In general, garbage janitors</b> transport wastes based on a predetermined schedule [2].	Introduction	Page 1, Paragraph 2, Column 2, Row 22-23	<b>Garbage janitors generally</b> transport wastes based on a predetermined schedule [2].
3	However, if the garbage container janitor still has to check one by one which garbage containers are full of trash, this, of course, takes time to review and is inefficient	Introduction	Page 1, Paragraph 2, Column 2, Row 31-33	However, if the garbage container janitor still has to check which garbage containers are full of trash, this takes time to review and is inefficient
4	Garbage bins based on intelligent applications and IoT provide factual time information for monitoring waste cleaners [5] [6].	Introduction	Page 2, Paragraph 1, Column 1, Row 6-8	In addition, the adoption of intelligent applications and IoT technology provides real-time information for cleaners to monitor waste containers [10][11].
5	Provide a warning via telegram on the mobile phone of the waste cleaning worker when the garbage in the waste container is <b>full</b> ;	Introduction	Page 2, Paragraph 2, Column 1, Row 16-19	Provide a warning via telegram on the mobile phone of the waste cleaning worker when the garbage in the waste container is <b>full of waste</b> ;
6	Provide a real-time <b>graphic</b> indicator of the level of fullness of the waste content in each waste container via the Web so that the cleaners know <b>the speed of the fullness of the waste content of each trash container which must be first to be paid attention,</b>	Introduction	Page 2, Paragraph 2, Column 1	Provide a real-time <b>visual</b> indicator of the level of fullness of the waste content in each waste container via the Web so that the cleaners know <b>which garbage container will be full of garbage first,</b>
7	In addition, the research in this article is based on IoT, when the garbage container is <b>full</b> , the sensor in the garbage container <b>will inform via the internet to the control system</b> that the garbage container is full.	Introduction	Page 2, Paragraph 3, Column 2	In addition, the research in this article is based on IoT, when the garbage container is <b>full of waste</b> , the garbage container's sensor <b>will inform the control system via the internet</b> that the garbage container is full.
8	Arsa Priyo Rahardjo, Suraidi, and Hadian Satria Utama (2017) developed a sensor <b>to open the lid of the garbage container automatically</b> and provide a light indicator when the trash container is <b>full</b>	Introduction	Page 2, Paragraph 3, Column 2	Arsa Priyo Rahardjo, Suraidi, and Hadian Satria Utama (2017) developed a sensor <b>to automatically open the garbage container's lid</b> and provide a light indicator when the trash container is <b>full of waste</b>
9	This previous research has similarities with the research <b>in</b> this article in developing waste container controllers.	Introduction	Page 2, Paragraph 3, Column 2	This previous research has similarities with the research in this article <b>on</b> developing waste container controllers.
10	The difference is that <b>the</b> previous studies did not build a remote control	Introduction	Page 2, Paragraph	The difference is that previous studies did not build a remote control

	to ensure a full trash can		3, Column 2	to ensure the bin is full of waste
11	Instead, the janitor will receive a notification on his cell phone when the trash container is full.	Introduction	Page 2, Paragraph 3, Column 2	Instead, the janitor will receive a notification when the trash container is full-on on his cell phone
12	Furthermore, the previous research did not conduct a trial implementing smart waste containers built for users of garbage containers and the effect of garbage containers built for garbage container cleaners; Meanwhile, this research article pilots the implementation of smart waste containers which were built to assess the level of comfort and changes in user compliance in disposing of waste in smart waste containers and the effect of smart waste containers on garbage container cleaners.	Introduction	Page 2, Paragraph 4, Column 2	Furthermore, the previous research did not conduct a trial implementing smart waste containers built for users of garbage containers and the effect of garbage containers made for garbage container cleaners. In contrast, this research article pilots the implementation of intelligent waste containers built to assess the level of comfort and changes in user compliance in disposing of waste in smart waste containers and the effect of clever waste containers on garbage container cleaners.
13	Previous research is different from the research in this article, in previous studies developing a system design project to collect waste on time, while the research in this article not only informs when waste collection is carried out, but also focuses on developing smart waste containers that can automatically open garbage containers, when someone takes out the trash and closes the trash receptacle when someone has finished taking out the trash.	Introduction	Page 3, Paragraph 1, Column 1	This previous research developed a system design project to collect waste on time. In contrast, the research in this article informs when garbage collection is carried out and focuses on developing smart garbage containers that can automatically open and close garbage containers.
14	In contrast to the research in this article, conducting experimental research to build IoT-based smart waste containers and conducting field trials of smart waste containers developed on waste container users and garbage container cleaners to see the effect through surveys.	Introduction	Page 3, Paragraph 2, Column 1, Row 5-11	In contrast to the research in this article, it was conducting experimental research to build IoT-based smart waste containers and conducting field trials of intelligent waste containers developed on waste container users and garbage container cleaners to see the effect through surveys.
15	However, the difference is: the previous research was only survey research to solve the problem of waste management;	Introduction	Page 3, Paragraph 1, Column 1, Row 15-17	However, the difference is: that the previous research only surveyed research to solve the problem of waste management;
16	In the mean time, Pujari Y. M. and Patil S. S. (2018) suggested methodologies and systems monitor trash containers and warn departments regarding the actions that need to be taken on waste in the trash [31].	Introduction	Page 3, Paragraph 2, Column 2, Row 1-4	In the meantime, Pujari Y. M. and Patil S. S. (2018) suggested that methodologies and systems monitor trash containers and warn departments regarding the

				actions to waste in the trash [31]
17	The difference between the research in this article and previous research is that the research in this article is a research that does not suggest a waste management and monitoring system as in the previous research, but rather builds an intelligent application system and hardware controller for IoT-based waste container management	Introduction	Page 3, Paragraph 2, Column 2, Row 4-10	However, the main focus of previous research was to introduce environmental hygiene with easy-to-realize waste management and monitoring system. Meanwhile, the article in this study focuses on building intelligent application systems and hardware controllers for IoT-based waste container management.
18	The hardware and applications used are designs built by researchers. Researchers also conducted field trials on the intelligent waste container system that was developed.	Introduction	Page 3, in Table 2.	The hardware and applications used are designs constructed by researchers. Researchers also conducted field trials on the developed intelligent waste container system
19	Another difference between this article and the previous research is: the article in this study conducted a trial on smart waste containers that had been built which were not carried out by previous studies.	Introduction	Page 4, Paragraph 1, Column 1, Row 9-13	Another difference between this article and the previous research is that the article in this study conducted a trial on smart waste containers built that did not exist in the prior research.
20	Likewise, this study conducted a field trial on smart waste containers that were developed which were not carried out in previous studies. Another novelty of this research is the application program and electronic circuits along with other supporting devices that are built according to the needs of this research.	Introduction	Page 4, Paragraph 1, Column 2, Row 3-9	Likewise, this study conducted a field trial on developed smart waste containers that were not in previous studies. Another novelty of this research is the application program and electronic circuits and other supporting devices built according to the needs of this research.
21	If the level of waste in the trash container is below 5%, a notification of the trash bin condition is still less than 5% filled.	Result and Discussion	Page 7, Paragraph 1, Column 1, Row 9-15	For example, if the level of waste in the trash container is below 5%, a notification of the trash bin condition is still less than 5% filled.
22	The test results of the built automatic garbage container control system show: the ultrasonic sensor installed in the garbage container successfully detects a human object with a distance of 40 cm from the sensor distance from the garbage container.	Result and Discussion	Page 7, Paragraph 3, Column 1, Row 1-5	The test results of the built automatic garbage container control system show that the ultrasonic sensor installed in the garbage container successfully detects a human object with a distance of 40 cm the sensor distance from the garbage container.
23	The trial of implementing (field trial) an IoT-based smart waste collection system in a private university (for one month) in Indonesia shows: most students feel more comfortable throwing garbage and most students are more obedient in throwing garbage into smart waste containers (see	Result and Discussion	Page 7, Paragraph 4, Column 1, Row 1-7	The field trial of the IoT-based smart waste system at a private university (for one month) in Indonesia shows that most students are more comfortable disposing of waste in smart waste containers. Besides, most of the students became more obedient in throwing garbage into

	Figure 4 and Figure 5).			smart garbage containers (see Figure 4 and Figure 5).
24	This study conducts research that has never been done by previous researchers in researching and developing a smart garbage container system by combining experimental and survey research methods, based on IoT using the NodeMCU ESP32 microcontroller.	Conclusion	Page 7, Paragraph 5, Column 2 to Page 8, Paragraph 1, Column 1	This study researches what previous researchers have never done to develop an intelligent garbage container system by combining experimental and survey methods based on IoT using the NodeMCU ESP32 microcontroller.
25	The results of the smart garbage container trial also show job satisfaction for garbage container cleaning workers because garbage container cleaning workers no longer need to check whether the garbage is full or not, but can be monitored via cellphone which trash containers need to be cleaned	Conclusion	Page 8, Paragraph 1, Column 1, Row 7-12	The smart garbage container trial results also show job satisfaction for garbage container cleaning workers because garbage container cleaning workers no longer need to check whether the garbage is full of waste or not but can be monitored via cellphone which trash containers need to be cleaned.