

ENVIRONMENTAL REPORT 2024



PT. SHARP Electronics Indonesia

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Period and Content

Period : Fiscal 2023FY (April 2023 to March 2024)

Content : Environmental Aspects of PT Sharp Electronics Indonesia

President's Statement



As a leading electronic manufacturer in Indonesia, PT Sharp Electronics Indonesia (SEID) carries an essential responsibility to take a good care of its surroundings – which are environment and human development. This responsibility is also part of SEID's main aim to create an eco-positive company which has been maintained continuously from time to time.

Fulfilling this vision, SEID builds a strong work ethic and green policy within employees to enhance their awareness and knowledge in environment. In factory area, SEID also regularly has other parties checked on waste management as a part of our green company maintenance.

SEID's strong commitment in developing sustainable environment is also disseminated to larger audience, which is society. This investment is applied through Corporate Social Responsibility where we nurture young generations from early age to teenagers about nature and biodiversity education.

Thus, SEID's contributions have been acknowledged by many prestigious awards. SEID will continue to touch people's lives both ways – initiating good quality of local fit products and inviting them to preserve mother earth.

Thank you for your tremendous support, let's continue to create a better environment.

Warm Regards,

A handwritten signature in black ink, appearing to read 'Shinji Terabka', written over a faint circular stamp.

Shinji Terabka
President Director

PT SHARP Electronics Indonesia

SUMMARY OF COMPANY BUSINESS



Company's Name:
PT. Sharp Electronics Indonesia

President Director : Shinji Teraoka

Address : Karawang International Industrial City (KIIC) Jl. Harapan
Raya Lot LL 1 & 2, Desa Sirnabaya, Kec. Teluk Jambe Timur,
Kab. Karawang 41361 - Indonesia

Telephone : 0267 - 8468600

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Total Area : 307.336 m²

Employees : 2.602 persons

Products : LCD TV | Refrigerator | Washing Machine | Air Conditioner

Environmental Management System

SHARP

QUALITY, ENVIRONMENT, OCCUPATIONAL HEALTH & SAFETY AND ENERGY POLICY PT. SHARP ELECTRONICS INDONESIA KARAWANG FACTORY

PT. SHARP ELECTRONICS INDONESIA is a multinational company which engaged in the electronics. PT. SHARP ELECTRONICS INDONESIA has recognized that aspects of quality, environmental, occupational health & safety and energy are important to be implemented in all of our company working activities in Karawang Factory.

The company is commitment to implement aspects of management of quality, environmental, occupational health & safety and energy by:

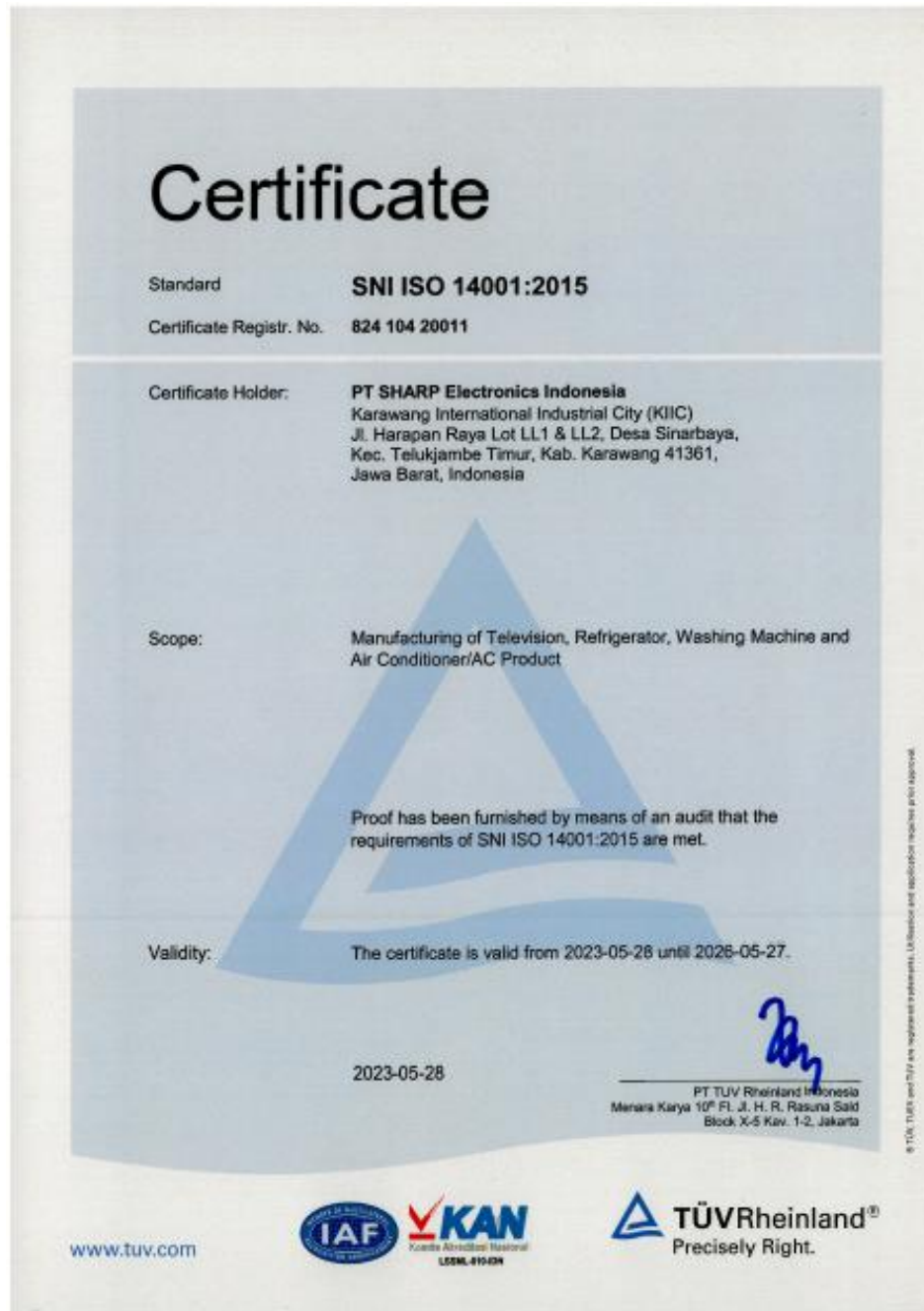
1. Comply and fulfill the government regulations and other requirements which are prevailed in Indonesia and Sharp Co.
2. Produce quality products according to customer request, protect the environment by preventing environmental pollution and prioritizing the application of energy-saving technology.
3. Prioritize health and safety by providing a safe and healthy work environment, eliminating hazards and reducing OHS risk to prevent occupational accidents and occupational diseases, and creating a work environment that is free from the use and distribution of drug or other addictive substances.
4. Involving workers and worker representatives in the decision making process as a form of cooperation and participation in improving the work of the OHS management system.
5. Increasing the efficiency of energy use and reducing environmental impacts by reducing carbon emissions by 1% from use in the previous period based on the the Sharp Corp Zero Emission target by 2050.
6. Determine, maintain and evaluate the performance of the management system and make continuous improvements supported by qualified human resources to achieve goals.
7. Prioritizing purchases based on specifications determined by the OHS Standart of system efficiency

This policy is made to be understood by all employees and as a reference in the implementation of all working activities in company and reviewed periodically.

Karawang, Juny 24th, 2024


Shinji Teraoka
President Director

Environmental Management System



The Environmental Management in SEID is organized by the Top Management and supported by Internal Control Management Department to ensure the effectiveness of implementation of ISO 14001:2015 Environmental Management System.

Environmental Management System

Environmental Education



The General Environmental Awareness Trainings were delivered to all staffs in New Employees Training program. The training covers all basic information of ISO 14001:2015, environmental issues, environmental policies, and environmental management programs. Sharp also conduct socialization regarding its green policies to all employees in SEID, suppliers, and local communities.



Environmental Socialization

Conducting socialization of ISO environmental for every new employees, in order to provide awareness of the environment surrounding of SEID.

Environmental Objectives & Achievement

Objectives in 2023 FY	Achievements in 2023 FY	Evaluation
1. Constant comply to Regulation Comply all applied regulation and other requirement in SEID that related with environment	Comply 100 % all environmental regulation	Achieved
2. Comply Environmental Measurement Standard from Government Measurements of environmental quality are comply to government standard (i.e. air ambient, noise ambient, forklift emission, and chimney emission).	Comply 100%, all measurements result are appropriate with the parameters set by the government.	Achieved
3. Reduce the amount of landfill waste (from total Generation Waste)	23FH Achievement: 1,09% ; Target 23FH: 1,31 % 23LH Achievement: 1,11% ; Target 23LH: 1,31 %	Achieved Target 2024FY : Reduce 10% from result 23FY (from SCJ)
4. Control Environmental Polution in SEID area Improvement every findings result by conducted environmental patrol activities.	Environmental patrol activities conducted consistently	Achieved
5. ESG Contribution Greenery	Done September 2023 and March 2024	Achieved

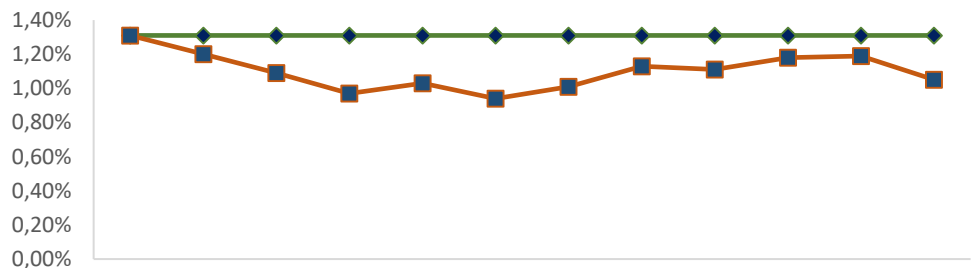


Activities SEID from Sharp Greenery Club (SGC)

Environmental Impacts & Reduction Measures

1. Reduction of Landfill Waste Amount

REDUCTION OF LANDFILL WASTE AMOUNT



	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Target maximum for landfill (from total Generation waste)	1,31%	1,31%	1,31%	1,31%	1,31%	1,31%	1,31%	1,31%	1,31%	1,31%	1,31%	1,31%
Actual for landfill (from total Generation waste)	1,31%	1,20%	1,09%	0,97%	1,03%	0,94%	1,01%	1,13%	1,11%	1,18%	1,19%	1,05%

Reduction of landfill waste amount	Actual (2023FY Average)	Target 2023FY (from SCJ)	Status
SEID (from Total Generation Waste)	1,10 %	1,31 %	OK

SEID conducted several efforts in reducing landfill waste amount.

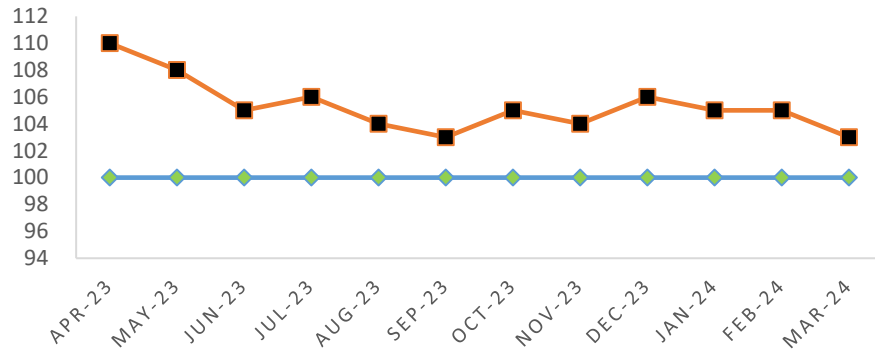
In reducing the amount of waste that goes to landfill, SEID has applied some programs, such as in sorting area, separate of production and valuable waste from the domestic waste, and in all area by providing waste bin for

→ 3 categories of waste (i.e. **organic**, **non-organic** and **b** for valuable waste), and also by providing environmental education with environmental poster in SEID area.



2. Composting Process

PRODUCTION COMPOST (KG)



	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Target Production Compost (kg)	100	100	100	100	100	100	100	100	100	100	100	100
Actual Production Compost (kg)	110	108	105	106	104	103	105	104	106	105	105	103

Amount Unit	Actual (2023FY Average)	Target 2023LY (50 Kg/Month based on monthly usage)	Status
SEID Production Compost (Kg/Month)	108	100	OK

By utilizing existing facilities, SEID tries to start compost production as an effort to reuse organic waste (specifically leaves, twigs) it can become material for plant fertilization. Starting from the collection and sorting of compost materials, grinder, fermentation process and drying process and weighing compost before used.



3. Management of Hazardous Material & Waste

In order to control hazardous materials and waste, SEID has also conducted regular inspection within its area to comply with the government policies regarding environment (*i.e monthly for Hazardous material, and weekly for Hazardous waste*).



4. Compliance with Environmental Regulation

No	Parameter	Baku Mutu	Satuan	2023FY
1	H ₂ S	35	mg/m ³	<5
2	NH ₃	0,5	mg/m ³	0,3
3	Partikel	350	mg/m ³	9,3
4	HCl	5	mg/m ³	0,7000
5	HF	10	mg/m ³	0,8
6	Cl ₂	10	mg/m ³	0,5
7	Hg	5	mg/m ³	<0,003
8	As	8	mg/m ³	<0,003
9	Pb	12	mg/m ³	<0,020
10	Sb	8	mg/m ³	<0,02
11	Cd	8	mg/m ³	<0,008
12	Zn	50	mg/m ³	<0,02
13	Velocity	-	m/s	9,80
14	NO ₂	1000	mg/m ³	<0,19
15	SO ₂	800	mg/m ³	<2,6
16	Opasitas	35	%	<20%



SEID has conducted regular measurement of environment quality twice a year. In addition, the results is to demonstrate SEID's compliance with government regulations.

SEID CSR ACTIVITIES



Greening Motion

An awareness in support of sustainable environmental conservation in industrial estate area.

Date	Activity	Venue
9 April 2023	Sharp Bersedekah – Rumah Kebajikan	Jakarta
15 April 2023	Sharp Greenerator Iftar with Orphanage	Bogor, West Java
10 June 2023	Sharp Ecobition Workshop in Palembang	SMAN 6 Palembang
14 June 2023	Sharp Class in Palembang	SMKN 4 Palembang
1 July 2023	Sharp Ecobition Workshop in Banjarmasin	SMAN 8 Banjarmasin
13 July 2023	Sharp Greenerator with Terangi Planted Mangroves	Tunda Island
27 July 2023	Sharp Ecobition Workshop in Samarinda	SMAN 1 Samarinda
25 September 2023	Sharp Greenerator Conducted World Clean Up Day	Harapan Island, Pulau Seribu
3 December 2024	Sharp Greenerator Festival 2023	Bogor
6 December 2024	Sharp Greenovation in Yogyakarta	Yogyakarta
11 December 2024	Sharp Class at SMKN 29 Jakarta	Jakarta
1 February 2024	Sharp Greenovation in Bandung	Bandung
21 February 2024	Sharp Class at SMKN 1 Sukorejo	Sukorejo
28 February 2024	Sharp Greenovation in Manado	Manado
21 March 2024	Sharp Bersedekah – Gim Food for Good	Jakarta

1. Sharp Bersedekah – Rumah Kebaikan



Sharp is re-conduct Sharp Bersedekah program, its annual event held by Sharp every month of Ramadhan. Sharp Bersedekah program was launched on April 9 2023 at Rumah Kekinian, Central Jakarta. Rumah Kebaikan - Sharp Bersedekah is present in the Cikini area, Central Jakarta. Located at Ke.Kini Co-Working Space, Jl. Cikini Raya No. 45 Central Jakarta, Rumah Kebaikan receives volunteers every day to do good together. The activities carried out by volunteers are preparing takjil food for orphanage children around Jakarta.

2. Sharp Greenerator Iftar with Orphanage





Sharp Greenerator is a young community assisted by Sharp Indonesia which was founded in 2015, focusing on environmental preservation activities. During month of Ramadhan, Sharp Greenerator had opportunity to meet children from Assaidah Orphanage. On 15 April 2023, Sharp Greenerator and PR team of Sharp Indonesia had succeed hold Iftar with Orphanage, prior Iftar session, Sharp Greenerator was educated orphanage about environmental conservation and also provide workshop how to recycle bottle of mineral water into pot for the plants, in addition Sharp Greenerator had a donated a pair of shoes for 40 children, basic goods and money.

3. Sharp Ecobition workshop in Palembang



Sharp Indonesia organized Sharp Ecobition Workshop activities in several major cities including Medan, Jakarta, Bandung, Surabaya, and Solo. Today Sharp held a Sharp Ecobition Workshop program held at SMAN 6 Palembang, as a form of Sharp Indonesia's real support for the Palembang government's efforts to reduce the amount of plastic waste in the city of Palembang and its surroundings, themed From Love Comes Green, Sharp Indonesia collaborated with Kertabumi Recycling Centre to teach students and other invited guests to recycle plastic waste into book covers, smartphone containers, wallets etc. Before entering the recycling session, participants were given an explanation of the dangers of various types of waste, followed by the ant operation action where participants were invited to take action to clean up the school environment by collecting plastic waste which would later be weighed and distributed to the nearest landfill.

4. Sharp Class in Palembang



PT Sharp Electronics Indonesia helped the central government's efforts to increase the number of workers absorbed at the vocational school students through the Sharp Class program. This program is a mentoring and training program for selected vocational students who want to become a reliable professional technician.

The first time Sharp Class begun in 2012, and the program has worked with 15 schools from 15 cities such as Aceh, Bengkulu, Banjarmasin, Karawang, Semarang, Bandung and others, during this program we have given birth to 690 graduates who have the ability to be ready to work and among our graduates have worked both in Sharp service centers and other international class private companies.

The Sharp Class program will run for two months, during this program all participants will learn various material such as how repair electronics products, and how to handle customers.

5. Sharp Ecobition Workshop in Banjarmasin



Sharp Indonesia organized Sharp Ecobition Workshop activities in several major cities including Medan, Jakarta, Bandung, Surabaya, Solo, and Palembang. Today Sharp held a Sharp Ecobition Workshop program held at SMAN 8 Banjarmasin, as a form of Sharp Indonesia's real support for the Palembang government's efforts to reduce the amount of plastic waste in the city of Palembang and its surroundings, themed From Love Comes Green, Sharp Indonesia collaborated with Kertabumi Recycling Centre to teach students and other invited guests to recycle plastic waste into book covers, smartphone containers, wallets etc. Before entering the recycling session, participants were given an explanation of the dangers of various types of waste, followed by the ant operation action where participants were invited to take action to clean up the school environment by collecting plastic waste which would later be weighed and distributed to the nearest landfill.

6. Sharp Greenerator & Terangi Planted Mangrove in Harapan Island



In commemoration of World Mangrove Day Sharp Indonesia facilitated by Yayasan Terumbu Karang Indonesia (Terangi) planted mangroves in Tunda Island by involving local residents. Mangrove planting is as one of the activities to rehabilitate the blue carbon ecosystem. Blue carbon ecosystems are believed by experts to be the most active carbon sinks compared to other ecosystems where their absorption power exceeds mainland tropical forests.

7. Sharp Ecobition Workshop in Samarinda





Sharp Indonesia organized Sharp Ecobition Workshop activities in several major cities including Medan, Jakarta, Bandung, Surabaya, Solo, Palembang, and Banjarmasin. Today Sharp held a Sharp Ecobition Workshop program held at SMAN 1 Samarinda, as a form of Sharp Indonesia's real support for the Palembang government's efforts to reduce the amount of plastic waste in the city of Palembang and its surroundings, themed From Love Comes Green, Sharp Indonesia collaborated with Kertabumi Recycling Centre to teach students and other invited guests to recycle plastic waste into book covers, smartphone containers, wallets etc. Before entering the recycling session, participants were given an explanation of the dangers of various types of waste, followed by the ant operation action where participants were invited to take action to clean up the school environment by collecting plastic waste which would later be weighed and distributed to the nearest landfill.

8. Sharp Greenerator Conducted World Clean Up Day





Sharp Greenerator, a community of young people fostered by Sharp Indonesia to welcome the celebration of World Clean Up Day, initiated an environmental conservation education program to increase the awareness of islanders and tourists of the importance of keeping the island clean, facilitated by the Terangi Foundation, Sharp Greenerator carried out its action on 23-24 September 2023. This program aims to increase public awareness of the dangers of plastic waste as well as how to overcome the problem of plastic waste by recycling plastic waste into ergonomic materials.

9. Sharp Greenerator Festival 2023



Sharp Greenerator is a community of young people fostered by Sharp Indonesia who actively campaigns for environmental conservation program to the community and young people. On its 8th anniversary, Sharp Greenerator held an environmental festival entitled Sharp Greenerator Festival 2023, the third environmental festival held this time is one of the actions

taken by Sharp Greenerator in raising public awareness through a fun way by featuring a variety of entertainment, green actions and workshops that involve the community directly.

10. Sharp Greenovation in Yogyakarta



Sharp Indonesia held an exhibition with the theme 'Sharp Greenovation' which will be held in three cities; Yogyakarta, Paska 23 - Bandung, and Manado Town Square - Manado. During the Sharp Greenovation exhibition there is a booth for children, they will be taught how to recycle garbage into goods that have useful value.

11. Sharp Class at SMKN 29 Jakarta



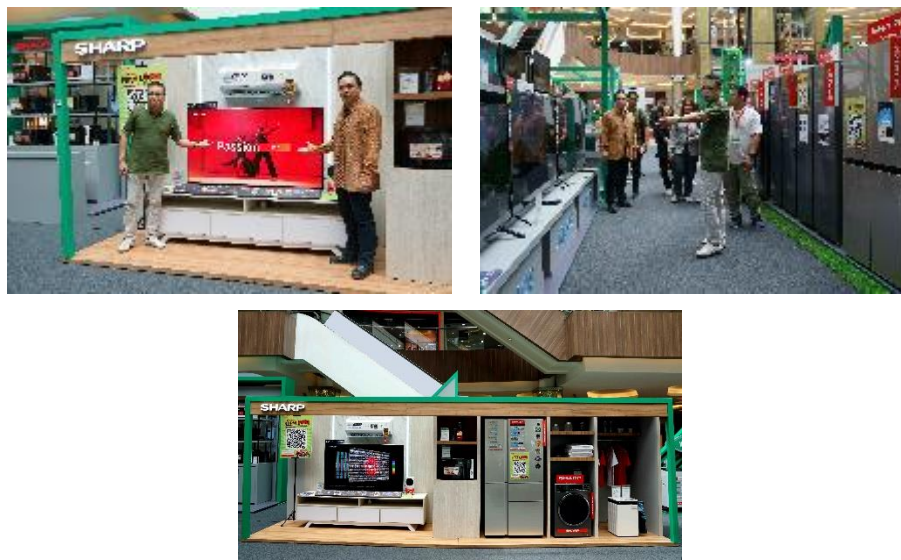


PT Sharp Electronics Indonesia helped the central government's efforts to increase the number of workers absorbed at the vocational school students through the Sharp Class program. This program is a mentoring and training program for selected vocational students who want to become a reliable professional technician.

The first time Sharp Class began in 2012, and the program has worked with 15 schools from 15 cities such as Aceh, Bengkulu, Banjarmasin, Karawang, Semarang, Bandung and others, during this program we have given birth to 690 graduates who have the ability to be ready to work and among our graduates have worked both in Sharp service centers and other international class private companies.

The Sharp Class program will run for two months, during this program all participants will learn various material such as how repair electronics products, and how to handle customers.

12. Sharp Greenovation in Bandung



Sharp Indonesia held an exhibition with the theme 'Sharp Greenovation' which will be held in three cities; Yogyakarta, Paska 23 - Bandung, and Manado Town Square - Manado. During the Sharp Greenovation exhibition there is a booth for children, they will be taught how to recycle garbage into goods that have useful value.

13. Sharp Class at SMKN 1 Sukorejo



PT Sharp Electronics Indonesia helped the central government's efforts to increase the number of workers absorbed at the vocational school students through the Sharp Class program. This program is a mentoring and training program for selected vocational students who want to become a reliable professional technician.

The first time Sharp Class begun in 2012, and the program has worked with 15 schools from 15 cities such as Aceh, Bengkulu, Banjarmasin, Karawang, Semarang, Bandung and others, during this program we have given birth to 710 graduates who have the ability to be ready to work and among our graduates have worked both in Sharp service centers and other international class private companies.

The Sharp Class program will run for two months, during this program all participants will learn various material such as how repair electronics products, and how to handle customers.

14. Sharp Greenovation in Manado



Sharp Indonesia held an exhibition with the theme 'Sharp Greenovation' which will be held in three cities; Yogyakarta, Paska 23 - Bandung, and Manado Town Square - Manado. During the Sharp Greenovation exhibition there is a booth for children, they will be taught how to recycle garbage into goods that have useful value.

14. Sharp Bersedekah – Food for Good





Sharp is re-conduct Sharp Bersedekah program, its annual event held by Sharp every month of Ramadhan. Sharp Bersedekah program was launched on 21 March 2024, it had conducted for 10 days the Sharp Bersedekah program can be found in the atrium of the Sarinah Thamrin building, Jl, MH Thamrin No.11 Central Jakarta on 21 March - 24 March 2024 then continued on 26 March - 31 March 2024 in the Kelapa Gading Mall corridor, Jl. Boulevard Raya, North Jakarta.

Sharp Bersedekah this time features the Food for Good cooking game, where people can make alms 1 package of food for orphanage children just by playing the game. 'To be able to give alms, it's very easy, visit the Sharp Bersedekah booth, register with the crew on duty, then immediately play the Food For Good Game by entering your identity, choosing the food menu you want to cook. 1 x game means that you have donated 1 box of food which will be donated to the nearest orphanage every day.

AWARDS ACHIEVEMENT

Date	Award Names	Category
11 May 2023	Indonesia Wow Brand 2023	Bronze Champion – Refrigerator
June 2023	Top Brand	Air Purifier
26 July 2023	Indonesia Most Engaging Brand 2023	Electronics
September 2023	Top Social Media Awards 2023	Refrigerator
November 2023	The 8 th Indonesia Corporate Sustainability Initiative Awards	<p>1. Corporate Social Marketing – on Planting 3.300 Mangrove Seedlings to rehabilitate the blue eco system</p> <p>2. Creative Philanthropy – Sharp Berdikari Community Economic Empowerment program.</p>
December 2023	Selular Editor’s Choice 2023	<p>1. The Best Smart TV</p> <p>2. The Best for Flagship smartphone</p>
December 2023	Indonesia Best Brand 2023	Category for Refrigerator, Washing Machine and LCD
January 2024	Gadget Squad 2023	The Best Home Appliances
January 2024	Indonesia Green Awards 2024	<p>1. Plastic Waste Management : SG conducted clean up in the Pulau Seribu</p> <p>2. Develop Environmental Change : Planting 3300 Mangrove seedlings to rehabilitate blue carbon ecosystem</p>
February 2024	Indonesia Customer Satisfaction Achievement Award 2024	<p>Category for AC</p> <p>Category for Microwave</p> <p>Category for TV</p>
March 2024	Top Brand Awards 2024	<p>Category : Refrigerator</p> <p>Category Washing Machine</p>

1. Indonesia Wow Brand 2023



2. Top Brand 2023



3. Indonesia Most Engaging Brand 2023



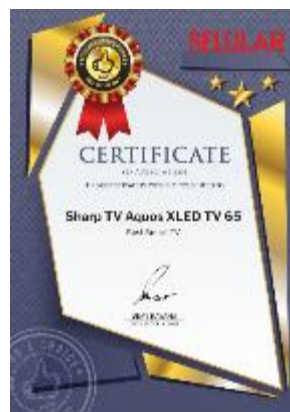
4. Top Social Media Awards 2023



5. The 8 Indonesia Corporate Sustainable Initiative Awards



6. Selular Editor's Choice 2023



7. Indonesia Best Brand Awards



8. Gadget Squad 2023



9. Indonesia Green Awards 2024



10. Indonesia Customer Satisfaction Achievement Awards



11. Top Brand Awards 2024



PT. SHARP Electronics Indonesia

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