Part #	Part Name	Description	Supplier	also available from	Units	Unit Cost	Cost
1	Raspberry Pi 4 Model B	Raspberry Pi to control the entire system	Kiwi Electronics	Bits & Parts	1	59,95 €	€ 59,95
2	T-Cobbler Plus GPIO expansion board for Raspberry Pi	Breakout board for Raspberry Pi	Bits & Parts	Kiwi Electronics	1	3,95 €	€ 3,95
3	Micro SD Card 16GB	For the installation of Raspberry Pi OS	Kiwi Electronics	Bol.com	1	7,99 €	€ 7,99
4	Raspberry Pi 4 USB-C Power Supply	Power supply for the Raspberry Pi	Kiwi Electronics	SOS Solutions	1	9,95 €	€ 9,95
5	Water Pump	To pump water to the plants	Bits & Parts	Amazon	1	4,95 €	€ 4,95
6	Small transparent flexible PVC tube	To transport the water from the pump to the plants	Amazon	Opencircuit	1	3,20 €	€ 3,20
7	Breadboard	Used to hold electronic components that are wired together	Bits & Parts	Kiwi Electronics	1	4,95 €	€ 4,95
8	Breadboard power supply	To power a breadboard	Bits & Parts	Kiwi Electronics	1	2,95 €	€ 2,95
9	Jumper wires 3x 40pcs (FF, FM & MM) 30cm	To connect all the electronics	Bits & Parts	Amazon	1	11,26 €	€ 11,26

10	Jumper wires 3x 40pcs (FF, FM & MM) 20cm	To connect all the electronics	Bits & Parts	Amazon	1	9,99 €	€	9,99
11	Jumper wires 3x 40pcs (FF, FM & MM) 10cm	To connect all the electronics	Bits & Parts	Amazon	1	4,95 €	€	4,95
12	LCD Display	To display the IP address	Bits & Parts	Kiwi Electronics	1	6,90 €	€	6,90
13	Resistors	All sorts of resistors	HobbyElectronica	Amazon	1	3,95 €	€	3,95
14	Temperature and humidity sensor	To measure the temprature and humidity inside the greenhouse	Otronic	Conrad	1	3,18 €	€	3,18
15	Soil moisture sensor	To measure the moisture of the soil	Bits & Parts	Kiwi Electronics	1	1,95 €	€	1,95
16	Water Level Sensor	To measure how much water isleft in the tank	Bits & Parts	Kiwi Electronics	1	3,50 €	€	3,50
17	Heat shrink tubes	To keep the wires together	Bits & Parts	AlleKabels	1	4,50 €	€	4,50
18	Air Quality Sensor	To measure the amount of CO2 in the greenhouse	Bits & Parts	Kiwi Electronics	1	14,95 €	€	14,95

19	Servo Motor	To open and close the windows	Bits & Parts	Kiwi Electronics	2	2,95 €	€	5,90
20	Plexiglass 50x100cm	Material to construct the greenhouse	Gamma	Hubo	2	13,49 €	€	26,98
21	Hinges	For opening/closing the windows and box next to the greenhouse	SupraBazar	Euroshop	8	0,79 €	€	6,32
22	Transparent silicone for plexiglass	To connect things to the plexiglass	Gamma	Euroshop	1	11,99 €	€	11,99
23	Wooden plank 20mmx1m	To hide the edges of the plexiglass windows	Euroshop	SupraBazar	2	1,30 €	€	2,60
24	Wooden plank 18mmx2m	To hide the edges of the plexiglass windows	Euroshop	SupraBazar	1	1,40 €	€	1,40
25	Small corner slat 1,20m	To give the corners of the greenhouse more strength	Euroshop	SupraBazar	2	5,95 €	€	11,90
26	Bigger corner slat 1,20m	To give the roof more strength	Euroshop	SupraBazar	1	6,95 €	€	6,95
27	PVC tube 3m	To attach to the roof and to distribute water	Euroshop	SupraBazar	1	1,05 €	€	1,05

28	Wooden plank 1,20x0,61m	To construct the box next to the greenhouse	Euroshop	SupraBazar	1	10,20 €	€ 10,20
29	Corner connection brackets 4 pieces	To construct the box next to the greenhouse	Euroshop	SupraBazar	1	1,65 €	€ 1,65
30	Wooden plank 3m	To construct the base of the greenhouse	Euroshop	SupraBazar	1	7,95 €	€ 7,95
31	Small screws	To construct the box next to the greenhouse	Euroshop	SupraBazar	1	2,05 €	€ 2,05
32	Small bolts	To connect the windows with hinges to the greenhouse	Euroshop	SupraBazar	1	2,05 €	€ 2,05
33	Door magnets	To keep the box closes	Euroshop	SupraBazar	1	3,75 €	€ 3,75
34	Water reservoir	To keep water in	Euroshop	Amazon	1	11,99 €	€ 11,99
	Total						**€277,75**