

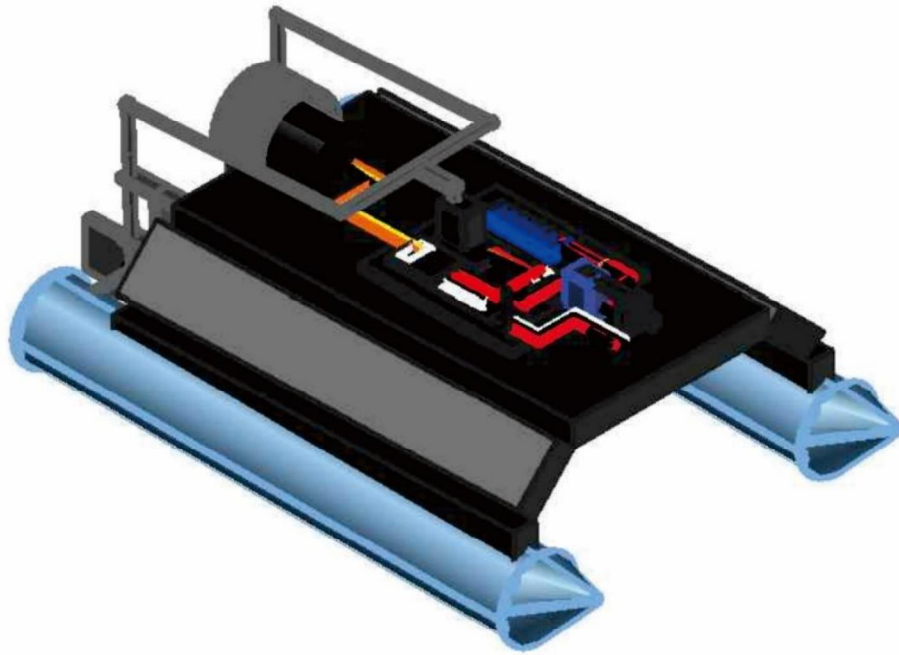
LAMPIRAN

Lampiran 1. List komponen

1. Remote Control
2. Receiver Remote Control
3. Electronic Speed Control (ESC)
4. Motor Brushless DC
5. Kamera FPV
6. Transmitter Video Sender
7. Receiver
8. Monitor FPV
9. Motor Servo SG90
10. Motor Servo MG995
11. Baterai Li-Po 2200 mAh
12. Baterai Li-Po 500 mAh

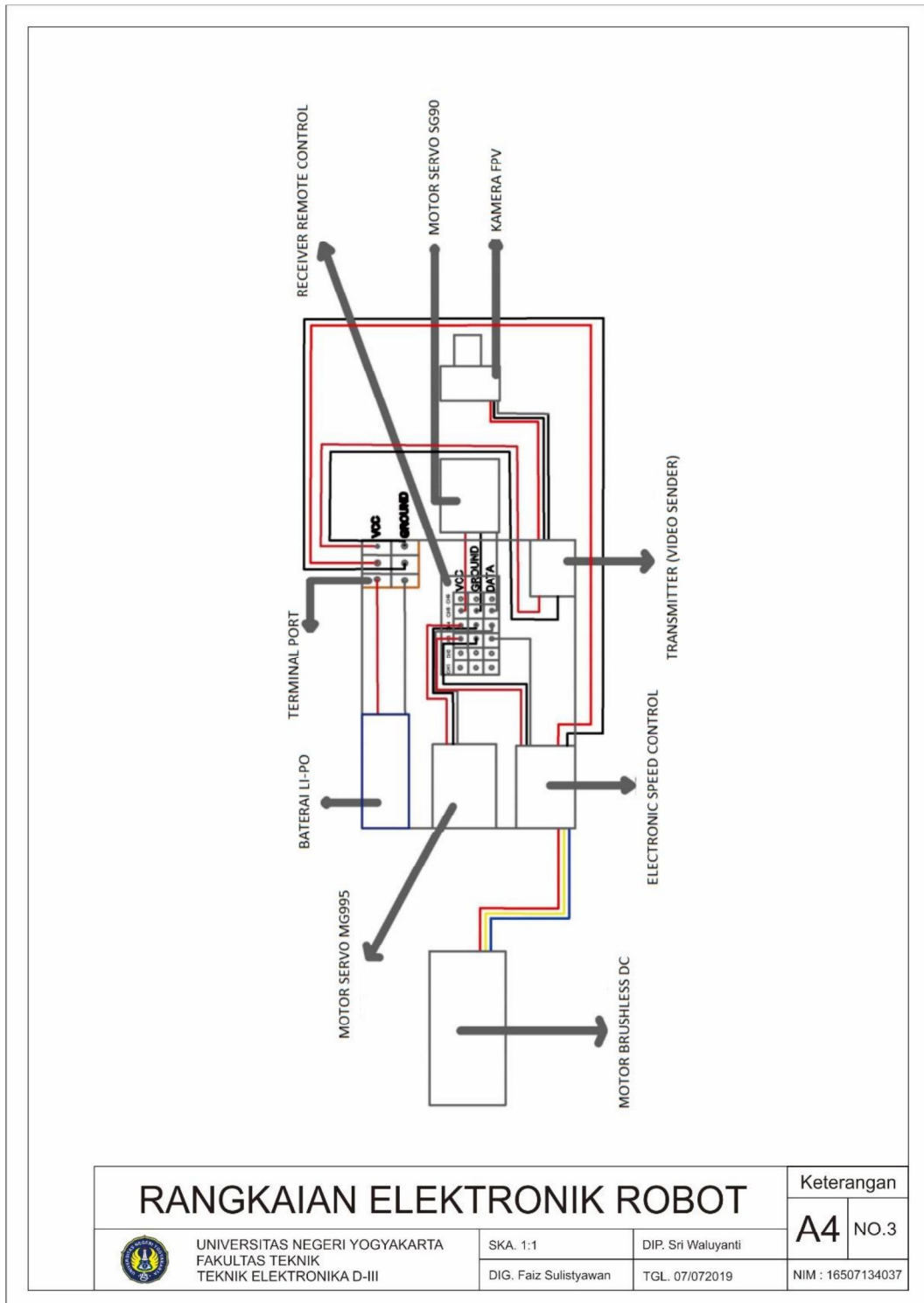
DAFTAR KOMPONEN			Keterangan	
	UNIVERSITAS NEGERI YOGYAKARTA FAKULTAS TEKNIK TEKNIK ELEKTRONIKA D-III	SKA. 1:1	DIP. Sri Waluyanti	A4 NO. 1
		DIG. Faiz Sulistyawan		

Lampiran 2. Desain Robot



DESAIN ROBOT			Keterangan	
			A4	NO.2
	UNIVERSITAS NEGERI YOGYAKARTA FAKULTAS TEKNIK TEKNIK ELEKTRONIKA D-III	SKA. 1:1	DIP. Sri Waluyanti	NIM : 16507134037
		DIG. Faiz Sulistyawan	TGL. 07/072019	

Lampiran 3. Rangkaian Elektronik Robot



RANGKAIAN ELEKTRONIK ROBOT



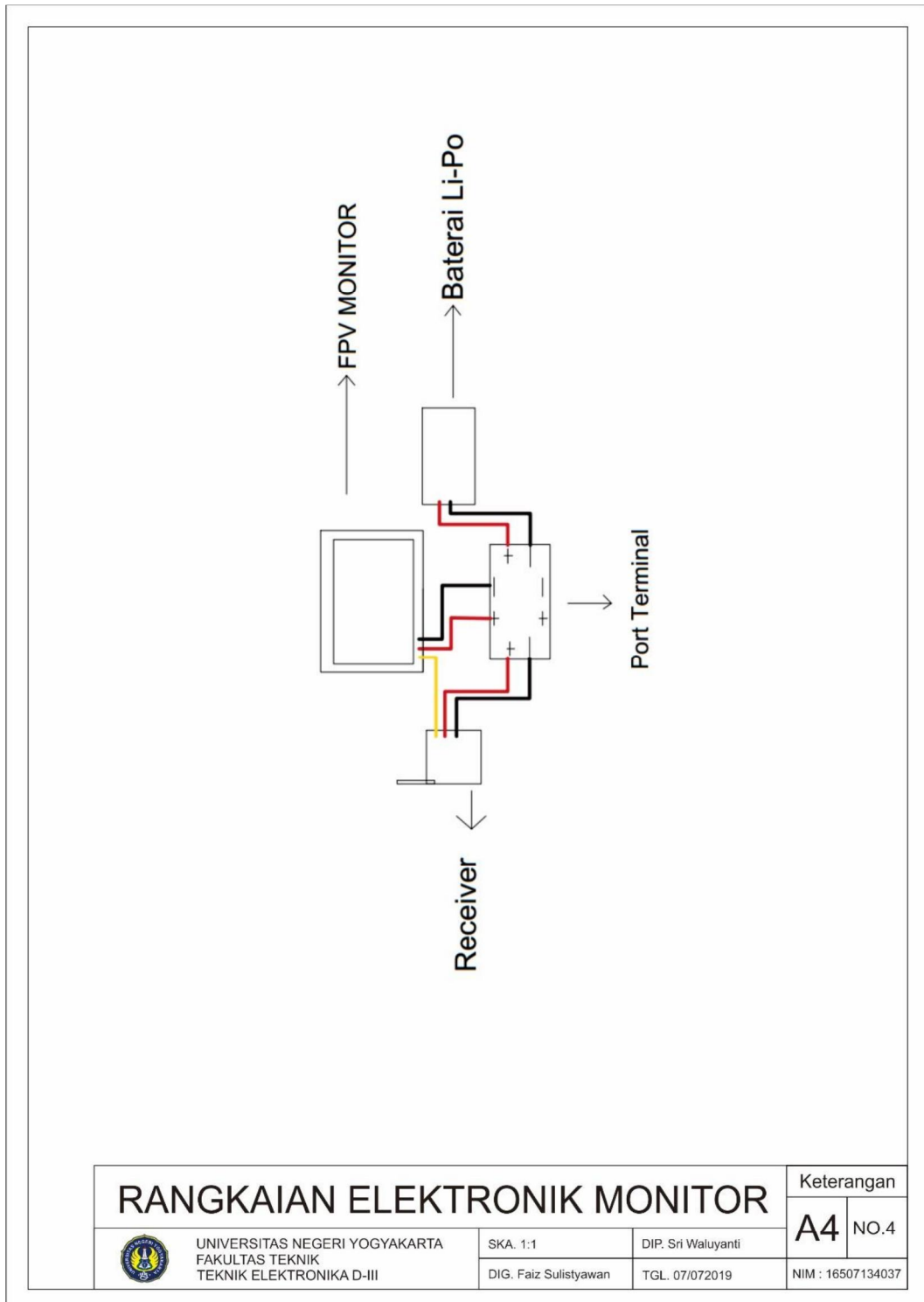
UNIVERSITAS NEGERI YOGYAKARTA
 FAKULTAS TEKNIK
 TEKNIK ELEKTRONIKA D-III

SKA. 1:1
 DIG. Faiz Sulistyawan

DIP. Sri Waluyanti
 TGL. 07/072019

Keterangan	
A4	NO.3
NIM : 16507134037	

Lampiran 4. Rangkaian Elektronik Monitor



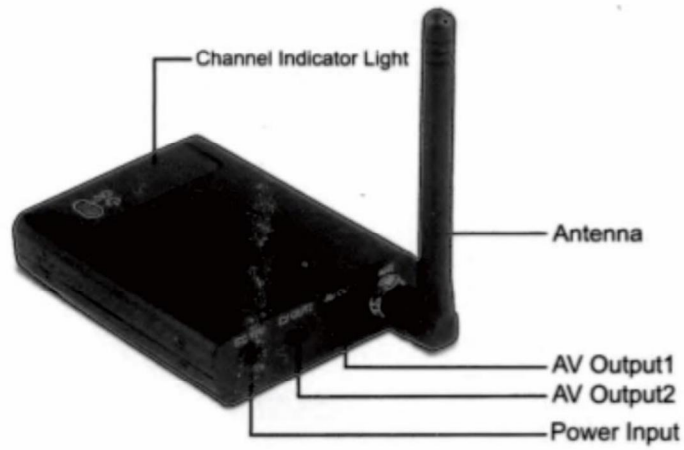
Lampiran 5. Datasheet Receiver RC805

NOTICE PROCEEDINGS:

Please connect every part according to the instruction, please not take down and refit this product, otherwise, it will lead to product damage and out of the related law items.

1. PRODUCT FUNCTION INDICATION:

1) Receiver (RC 802, RC 805)



2) AV Cable



1

DATASHEET RECEIVER RC805



UNIVERSITAS NEGERI YOGYAKARTA
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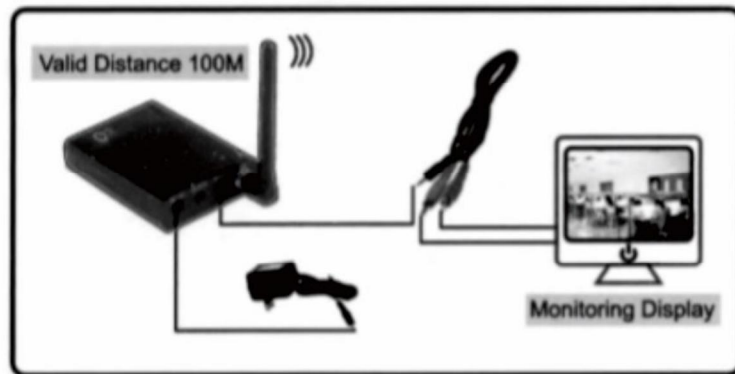
Keterangan

A4 NO.5

NIM : 16507134037

2. CHANNEL OPTIONAL OPERATION:

1) PRODUCT USE CUTLINE



2

DATASHEET RECEIVER RC805

	UNIVERSITAS NEGERI YOGYAKARTA FAKULTAS TEKNIK TEKNIK ELEKTRONIKA D-III	SKA. 1:1	DIP. Sri Waluyanti	Keterangan	
		DIG. Faiz Sulistyawan	TGL. 07/072019	A4	NO.5
				NIM : 16507134037	

4. PRODUCT TECH SPECIFICATION

PRODUCT MODEL	SPECIFICATIONS	
RC 802 WIRELESS RECEIVER	Receiving frequency	2370-2510MHz; 8channels
	Receiving sensitivity	-90dBm
	Frequency control	built-in frequency and phase lock loop
	Double lines AV output	analog AV signal output
	Antenna connectors	inside the needle
	Power supply voltage	6.5-12V
	Supply current	150mA
	Dimension	72x54x16mm (aluminums alloy extrusion profiles)
RC 805 WIRELESS RECEIVER	Receiving frequency	5725-5865MHz; 8channels
	Receiving sensitivity	-90dBm
	Frequency control	built-in frequency and phase lock loop
	Double lines AV output	analog AV signal output
	Antenna connectors	inside the needle
	Power supply voltage	6.5-12V
	Supply current	150mA
	Dimension	72x54x16mm (aluminums alloy extrusion profiles)
OPERATING TEMPERATURE	-10°C - +50°C / +14°F - +122°F	
STORAGE TEMPERATURE	-20°C - +60°C / -4°F - +140°F	
OPERATING HUMIDITY	85%RH	

3

DATASHEET RECEIVER RC805		Keterangan	
		A4	NO.5
	UNIVERSITAS NEGERI YOGYAKARTA FAKULTAS TEKNIK TEKNIK ELEKTRONIKA D-III	SKA. 1:1	DIP. Sri Waluyanti
		DIG. Faiz Sulistyawan	TGL. 07/072019

Lampiran 6. Datasheet Transmitter TS5828

RF Power
Adjustable
Transmitter

FT48X Manual

FT48X

5.8G 48CH 25/200/600mW Adjustable FPV Race VTX Raceband

1. Specification:

1	Transmitting Frequency:	ISM 5.35GHz-5.95GHz 48 CH
2	Operating Voltage :	+6.5V~+25.0V
3	Supply current :	250mA±20mA @+12V @600mW
4	Video Input Level:	1V±0.2Vp-p/75Ω
5	Audio Input Level:	0.5~2.0Vp-p/10KΩ
6	TV System:	PAL/NTSC/SECAM (AUTO)
7	Audio Carrier Frequency:	6.5MHz
8	RF Output Power:	0.25mW (-6dBm±0.5dBm) 25mW (14dBm±0.5dBm) 200mW (23dBm±0.5dBm) 600mW (28dBm±0.5dBm)
9	Antenna Connector:	SMA Connector
10	Weight:	9g
11	Dimensions (L x W x H):	31x22x8mm
12	Operating Temperature:	-10°C~+85°C

2. Features:

- ◇ 48 Channel,with Raceband'
- ◇ RF power can be adjusted: 25/200/600mW RF Power output ;
- ◇ Large input voltage range ;
- ◇ Not affect by 2.4GHz R/C Radios ;
- ◇ Integrally molded case,Mini size, Power indicator, easy to carry ;
- ◇ LED display channel; LED display RF Power;
- ◇ Key mode control channel. group and RF Power Adjusted;
- ◇ 5V output with 300mA automatic recovery fuse and LC filter!
- ◇ Size: 31*22*8mm.

3. Operation: Band \ Channel and RF Power Selection

- ◇ Short press the key to changing Channel : 1, 2, 3, 4, 5, 6, 7, 8;
- ◇ Long press the key for 2 seconds to change band : A, B, C, D, E, F;
- ◇ Long press the key for 5 seconds to change RF Power:
0.25mW, 25mW, 200mW, 600mW.

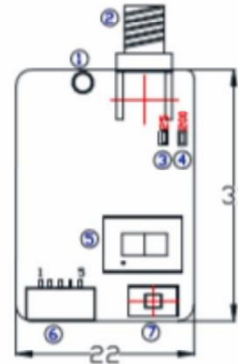
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5.8GHz Wireless AV Transmitter

DATASHEET TRANSMITTER TS5828		Keterangan
	UNIVERSITAS NEGERI YOGYAKARTA FAKULTAS TEKNIK TEKNIK ELEKTRONIKA D-III	A4 NO.6
	SKA. 1:1 DIG. Faiz Sulistyawan	DIP. Sri Waluyanti TGL. 07/072019 NIM : 16507134037

4. Diagram

- ① Micphone
- ② Antenna connector
- ③ Blue LED : RF Power 25mW (Factory default)
- ④ Red LED : RF Power 200mW
 Not. Blue LED and red LED are bright: 600mW.
 Blue LED and red LED are not bright: 0.25mW.
- ⑤ LED: Displays the channel and the band
- ⑥ 5PIN Cable:
 1: Red: VCC IN(+0.5V~+25V)
 2: Black: GND
 3: Orange: VCC OUT(+5V @300mA)
 4: Black: GND
 5: Yellow:Video In
- ⑦ Channel, Band and RF Power Select button



5. Operating Frequency Table

CH Band	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6	CH 7	CH 8
A(A)	5865MHz	5845MHz	5825MHz	5805MHz	5785MHz	5765MHz	5745MHz	5725MHz
b(B)	5733MHz	5752MHz	5771MHz	5790MHz	5809MHz	5828MHz	5847MHz	5866MHz
C(E)	5705MHz	5685MHz	5665MHz	5645MHz	5885MHz	5905MHz	5925MHz	5945MHz
d(F)	5740MHz	5760MHz	5780MHz	5800MHz	5820MHz	5840MHz	5860MHz	5880MHz
E(R)	5658MHz	5695MHz	5732MHz	5769MHz	5806MHz	5843MHz	5880MHz	5917MHz
F	5362MHz	5399MHz	5436MHz	5473MHz	5510MHz	5547MHz	5584MHz	5621MHz

DATASHEET TRANSMITTER TS5828



UNIVERSITAS NEGERI YOGYAKARTA
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 TEKNIK ELEKTRONIKA D-III

SKA. 1:1
 DIG. Faiz Sulistyawan

DIP. Sri Waluyanti
 TGL. 07/072019

Keterangan

A4 NO.6

NIM : 16507134037