

Lampiran 2

Data Responden

No	Nama	Jenis Kelamaan	Usia	Pekerjaan	Lokasi
1	Safa	Wanita	17-25	Mahasiswa	Efrata
2	Danu	Pria	17-25	Pegawai Swasta	Efrata
3	Rizky	Pria	17-25	Mahasiswa	Efrata
4	Bayu	Pria	17-25	Mahasiswa	Efrata
5	Noval	Pria	17-25	Mahasiswa	Efrata
6	Wulan	Wanita	17-25	Pelajar	Efrata
7	Indah	Wanita	26-35	Pegawai Swasta	Efrata
8	Danang	Pria	17-25	Pegawai Swasta	Efrata
9	Selvia	Wanita	26-35	Wiraswasta	Efrata
10	Ridho	Pria	17-25	Mahasiswa	Efrata
11	Safi'i	Pria	36-45	Pegawai Swasta	Efrata
12	Indra	Wanita	17-25	Wiraswasta	Efrata
13	Ahmad	Pria	17-25	Wiraswasta	Efrata
14	Fanny	wanita	17-25	Mahasiswa	Efrata
15	Via	Wanita	17-25	Pelajar	Efrata
16	Sari	Wanita	26-35	PNS	Efrata
17	Yahya	Pria	17-25	Pelajar	Efrata
18	Finda	Wanita	26-35	Mahasiswa	Efrata
19	Diaz	Pria	26-35	Pelajar	Efrata
20	Windy	Wanita	17-25	Pegawai Swasta	Efrata
21	Vita	Wanita	17-25	Pegawai Swasta	Buana Cell
22	Bimo	Pria	17-25	Wiraswasta	Buana Cell
23	Andi	Pria	17-25	Wiraswasta	Buana Cell
24	Yayan	Pria	17-25	Mahasiswa	Buana Cell
25	Jaka	Pria	26-35	Mahasiswa	Buana Cell
26	Rico	Pria	17-25	Pegawai Swasta	Buana Cell
27	Lukman	Pria	17-25	Pelajar	Buana Cell
28	Ica	Wanita	17-25	Pelajar	Buana Cell
29	Youla	Wanita	17-25	Pegawai Swasta	Buana Cell
30	Kiki	Pria	17-25	Mahasiswa	Buana Cell
31	Dwiki	Pria	26-35	Pegawai Swasta	Buana Cell
32	Syahputra	Pria	17-25	Mahasiswa	Buana Cell
33	Wawa	Wanita	17-25	Mahasiswa	Buana Cell

No	Nama	Jenis Kelamaan	Usia	Pekerjaan	Lokasi
34	Ronald	Pria	17-25	Pelajar	Buana Cell
35	Yuda	Pria	17-25	Mahasiswa	Buana Cell
36	Maulana	Pria	26-35	Mahasiswa	Buana Cell
37	Rahmat	Pria	17-25	Pegawai Swasta	Buana Cell
38	Didik	Pria	26-35	Mahasiswa	Buana Cell
39	Resty	Wanita	26-35	Mahasiswa	Buana Cell
40	Riska	Wanita	17-25	Pelajar	Buana Cell
41	Aris	Pria	17-25	Pelajar	Sawerigading
42	Lia	Wanita	17-25	Pelajar	Sawerigading
43	Cece	Wanita	17-25	Pegawai Swasta	Sawerigading
44	Indra	Pria	17-25	Mahasiswa	Sawerigading
45	Faqih	Pria	26-35	Pegawai Swasta	Sawerigading
46	Ongki	Pria	17-25	Mahasiswa	Sawerigading
47	Andi	Wanita	17-25	Mahasiswa	Sawerigading
48	Dendi	Pria	17-25	Pelajar	Sawerigading
49	Aldi	Pria	17-25	Mahasiswa	Sawerigading
50	Sendy	Pria	26-35	Mahasiswa	Sawerigading

Lampiran 3

Atribut Harga

NO	MERЕК	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
1	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	4	3	1	0
	SAMSUNG	0				
	XIAOMI	2	0			
2	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
3	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
4	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
5	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
6	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	3	4	3	2	0

NO	MERЕК	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
7	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	4	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
8	OPPO	2	4	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	2	0			
9	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
10	OPPO	2	3	0		
	ASUS	5	3	4	0	
	VIVO	4	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
11	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
12	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	4	4	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
13	OPPO	3	4	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
14	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
15	OPPO	3	3	0		
	ASUS	4	4	4	0	
	VIVO	5	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
16	OPPO	3	3	0		
	ASUS	5	3	4	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
17	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	4	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
18	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	1	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
19	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
20	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
21	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	5	3	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
22	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
23	OPPO	3	3	0		
	ASUS	3	3	4	0	
	VIVO	3	3	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
24	OPPO	3	4	0		
	ASUS	3	3	5	0	
	VIVO	3	3	4	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
25	OPPO	3	4	0		
	ASUS	4	3	4	0	
	VIVO	3	3	4	1	0
	SAMSUNG	0				
	XIAOMI	4	0			
26	OPPO	3	3	0		
	ASUS	3	3	4	0	
	VIVO	3	3	4	2	0
	SAMSUNG	0				
	XIAOMI	4	0			
27	OPPO	3	4	0		
	ASUS	3	3	3	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
28	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
29	OPPO	3	3	0		
	ASUS	3	3	3	0	
	VIVO	4	4	4	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
30	OPPO	3	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
31	OPPO	3	3	0		
	ASUS	3	4	3	0	
	VIVO	2	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
32	OPPO	2	3	0		
	ASUS	4	3	2	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
33	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	4	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
34	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	4	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
35	OPPO	3	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	4	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
36	OPPO	1	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	4	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
37	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	3	1	0
	SAMSUNG	0				
	XIAOMI	2	0			
38	OPPO	2	4	0		
	ASUS	4	3	4	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
39	OPPO	3	4	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
40	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	3	1	0
	SAMSUNG	0				
	XIAOMI	2	0			
41	OPPO	2	3	0		
	ASUS	3	4	4	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
42	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	3	4	4	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
43	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
44	OPPO	3	3	0		
	ASUZ	4	3	3	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
45	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
46	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
47	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	3	3	4	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
48	OPPO	4	4	0		
	ASUS	4	3	3	0	
	VIVO	3	3	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
49	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
50	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	2	0

Keterangan:

S : Samsung

X : Xiaomi

O : Oppo

A : Asus

V : Vivo

Lampiran 4

Atribut Kelengkapan Fitur

NO	MEREK	S	X	O	A	V
1	SAMSUNG	0				
	XIAOMI	2	0			
	OPPO	3	4	0		
	ASUS	2	3	3	0	
	VIVO	4	3	4	2	0
	SAMSUNG	0				
2	XIAOMI	2	0			
	OPPO	2	3	0		
	ASUS	4	2	5	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
	OPPO	2	3	0		
3	ASUS	5	1	4	0	
	VIVO	4	3	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
4	OPPO	3	2	0		
	ASUS	5	3	2	0	
	VIVO	4	4	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
5	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	1	0			
	OPPO	2	3	0		
	ASUS	4	4	4	0	
	VIVO	4	5	4	2	0

No	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
	OPPO	3	3	0		
7	ASUS	4	2	3	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
	OPPO	2	3	0		
	ASUS	5	3	4	0	
	VIVO	4	4	4	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
	OPPO	2	2	0		
	ASUS	4	3	3	0	
9	VIVO	4	2	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
	OPPO	1	3	0		
10	ASUS	4	4	3	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	4	0			
	OPPO	3	3	0		
11	ASUS	4	4	4	0	
	VIVO	5	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
12	OPPO	2	3	0		
	ASUS	4	4	4	0	
	VIVO	3	4	3	1	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
13	OPPO	3	3	0		
	ASUS	4	4	3	0	
	VIVO	4	3	4	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
14	OPPO	1	3	0		
	ASUS	4	4	3	0	
	VIVO	3	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
15	OPPO	2	3	0		
	ASUS	5	3	4	0	
	VIVO	4	4	3	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
16	OPPO	3	3	0		
	ASUS	5	4	3	0	
	VIVO	5	5	3	3	0
	SAMSUNG	0				
	XIAOMI	2	0			
17	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	4	4	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
18	OPPO	3	3	0		
	ASUS	4	4	3	0	
	VIVO	4	4	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
19	OPPO	3	3	0		
	ASUS	5	4	3	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
20	OPPO	3	3	0		
	ASUS	5	3	3	0	
	VIVO	5	4	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
21	OPPO	3	3	0		
	ASUS	5	3	3	0	
	VIVO	5	4	4	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
22	OPPO	2	3	0		
	ASUS	4	4	3	0	
	VIVO	4	3	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
23	OPPO	2	3	0		
	ASUS	4	4	4	0	
	VIVO	5	4	4	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
24	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	4	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
25	OPPO	3	3	0		
	ASUS	4	4	5	0	
	VIVO	5	5	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
26	OPPO	3	3	0		
	ASUS	5	3	4	0	
	VIVO	4	4	4	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
27	OPPO	2	3	0		
	ASUS	4	4	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
28	OPPO	2	4	0		
	ASUS	4	4	4	0	
	VIVO	4	3	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
29	OPPO	2	3	0		
	ASUS	4	3	4	0	
	VIVO	4	4	4	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
30	OPPO	3	3	0		
	ASUS	4	4	4	0	
	VIVO	4	4	3	3	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
31	OPPO	3	3	0		
	ASUS	4	4	4	0	
	VIVO	4	3	3	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
32	OPPO	2	3	0		
	ASUS	3	4	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
33	OPPO	2	3	0		
	ASUS	4	4	3	0	
	VIVO	4	4	4	3	0
	SAMSUNG	0				
	XIAOMI	2	0			
34	OPPO	2	3	0		
	ASUS	4	4	4	0	
	VIVO	4	5	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
35	OPPO	2	3	0		
	ASUS	4	4	4	0	
	VIVO	4	4	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
36	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	5	4	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
37	OPPO	2	3	0		
	ASUS	4	4	4	0	
	VIVO	4	4	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
38	OPPO	2	3	0		
	ASUS	4	3	4	0	
	VIVO	4	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
39	OPPO	2	3	0		
	ASUS	4	4	3	0	
	VIVO	4	4	3	2	0
	SAMSUNG	0				
	XIAOMI	4	0			
40	OPPO	3	3	0		
	ASUS	4	4	4	0	
	VIVO	4	4	4	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
41	OPPO	4	3	0		
	ASUS	3	4	3	0	
	VIVO	4	3	4	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
42	OPPO	2	3	0		
	ASUS	3	4	4	0	
	VIVO	4	3	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
43	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	4	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
44	OPPO	4	3	0		
	ASUS	5	4	3	0	
	VIVO	5	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
45	OPPO	2	3	0		
	ASUS	3	4	4	0	
	VIVO	4	3	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
46	OPPO	2	3	0		
	ASUS	4	3	4	0	
	VIVO	4	4	5	3	0
	SAMSUNG	0				
	XIAOMI	2	0			
47	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	4	4	3	0
	SAMSUNG	0				
	XIAOMI	4	0			
48	OPPO	3	3	0		
	ASUS	4	4	4	0	
	VIVO	5	4	4	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
49	OPPO	2	3	0		
	ASUS	4	4	4	0	
	VIVO	5	4	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
50	OPPO	2	3	0		
	ASUS	3	4	3	0	
	VIVO	3	3	4	4	0

Keterangan:

S : Samsung

X : Xiaomi

O : Oppo

A : Asus

V : Vivo

Lampiran 5

Atribut Desain

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
1	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	4	3	1	0
	SAMSUNG	0				
	XIAOMI	2	0			
2	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
3	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
4	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
5	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
6	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	3	4	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
7	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	4	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
8	OPPO	2	4	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	2	0			
9	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
10	OPPO	2	3	0		
	ASUS	5	3	4	0	
	VIVO	4	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
11	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
12	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	4	4	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
13	OPPO	3	4	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
14	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
15	OPPO	3	3	0		
	ASUS	4	4	4	0	
	VIVO	5	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
16	OPPO	3	3	0		
	ASUS	5	3	4	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
17	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	4	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
18	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	1	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
19	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
20	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
21	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	5	3	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
22	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
23	OPPO	3	3	0		
	ASUS	3	3	4	0	
	VIVO	3	3	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
24	OPPO	3	4	0		
	ASUS	3	3	5	0	
	VIVO	3	3	4	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
25	OPPO	3	4	0		
	ASUS	4	3	4	0	
	VIVO	3	3	4	1	0
	SAMSUNG	0				
	XIAOMI	4	0			
26	OPPO	3	3	0		
	ASUS	3	3	4	0	
	VIVO	3	3	4	2	0
	SAMSUNG	0				
	XIAOMI	4	0			
27	OPPO	3	4	0		
	ASUS	3	3	3	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
28	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
29	OPPO	3	3	0		
	ASUS	3	3	3	0	
	VIVO	4	4	4	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
30	OPPO	3	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
31	OPPO	3	3	0		
	ASUS	3	4	3	0	
	VIVO	2	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
32	OPPO	2	3	0		
	ASUS	4	3	2	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
33	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	4	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
34	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	4	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
35	OPPO	3	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	4	2	0
	SAMSUNG	0				
	XIAOMI	0				
36	OPPO	3	0			
	ASUS	3	3	0		
	VIVO	4	3	3	0	

NO	MEREK	S	X	O	A	V
	SAMSUNG	3	3	3	2	0
	XIAOMI	0				
37	OPPO	3	0			
	ASUS	2	3	0		
	VIVO	3	3	3	0	
	SAMSUNG	3	3	3	1	0
	XIAOMI	0				
38	OPPO	3	0			
	ASUS	3	3	0		
	VIVO	4	3	3	0	
	SAMSUNG	3	3	3	2	0
	XIAOMI	0				
39	OPPO	3	0			
	ASUS	3	3	0		
	VIVO	4	3	3	0	
	SAMSUNG	3	3	4	1	0
	XIAOMI	0				
40	OPPO	3	0			
	ASUS	4	4	0		
	VIVO	4	3	3	0	
	SAMSUNG	3	3	3	2	0
	XIAOMI	0				
41	OPPO	2	0			
	ASUS	2	3	0		
	VIVO	3	3	3	0	
	SAMSUNG	3	3	3	2	0
	XIAOMI	0				
42	OPPO	3	0			
	ASUS	3	3	0		
	VIVO	4	3	3	0	

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
43	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
44	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
45	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	3	1	0
	SAMSUNG	0				
	XIAOMI	2	0			
46	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
47	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	3	3	4	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
48	OPPO	2	4	0		
	ASUS	4	3	3	0	
	VIVO	3	3	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
49	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
50	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	2	0

Keterangan:

S : Samsung

X : Xiaomi

O : Oppo

A : Asus

V : Vivo

Lampiran 6

Atribut Kenyamanan Pemakaian

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
1	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	3	4	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
2	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
3	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
4	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
5	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
6	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	4	3	1	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
7	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	4	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
8	OPPO	2	4	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	2	0			
9	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
10	OPPO	2	3	0		
	ASUS	5	3	4	0	
	VIVO	4	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
11	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
12	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	4	4	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
13	OPPO	3	4	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
14	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
15	OPPO	3	3	0		
	ASUS	4	4	4	0	
	VIVO	5	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
16	OPPO	3	3	0		
	ASUS	5	3	4	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
17	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	4	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
18	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	1	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
19	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
20	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
21	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	5	3	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
22	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
23	OPPO	3	3	0		
	ASUS	3	3	4	0	
	VIVO	3	3	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
24	OPPO	3	4	0		
	ASUS	3	3	5	0	
	VIVO	3	3	4	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
25	OPPO	3	4	0		
	ASUS	4	3	4	0	
	VIVO	3	3	4	1	0
	SAMSUNG	0				
	XIAOMI	4	0			
26	OPPO	3	3	0		
	ASUS	3	3	4	0	
	VIVO	3	3	4	2	0
	SAMSUNG	0				
	XIAOMI	4	0			
27	OPPO	3	4	0		
	ASUS	3	3	3	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
28	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
29	OPPO	3	3	0		
	ASUS	3	2	2	0	
	VIVO	4	4	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
30	OPPO	2	2	0		
	ASUS	4	2	2	0	
	VIVO	4	4	2	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
31	OPPO	2	3	0		
	ASUS	3	1	3	0	
	VIVO	3	2	2	4	0
	SAMSUNG	0				
	XIAOMI	3	0			
32	OPPO	2	3	0		
	ASUS	4	3	4	0	
	VIVO	4	2	5	3	0
	SAMSUNG	0				
	XIAOMI	4	0			
33	OPPO	3	3	0		
	ASUS	4	2	4	0	
	VIVO	4	2	4	1	0
	SAMSUNG	0				
	XIAOMI	2	0			
34	OPPO	2	3	0		
	ASUS	3	1	3	0	
	VIVO	3	2	2	3	0
	SAMSUNG	0				
	XIAOMI	4	0			
35	OPPO	3	3	0		
	ASUS	4	2	4	0	
	VIVO	5	4	3	1	0
	SAMSUNG	0				
	XIAOMI	2	0			
36	OPPO	2	3	0		
	ASUS	4	2	4	0	
	VIVO	4	3	3	1	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	4	0			
37	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	5	5	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
38	OPPO	3	3	0		
	ASUS	4	4	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
39	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	4	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
40	OPPO	2	3	0		
	ASUS	3	4	4	0	
	VIVO	4	3	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
41	OPPO	2	2	0		
	ASUS	5	2	4	0	
	VIVO	4	4	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
42	OPPO	3	4	0		
	ASUS	2	3	3	0	
	VIVO	4	3	4	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
43	OPPO	2	3	0		
	ASUS	4	2	5	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
44	OPPO	2	3	0		
	ASUS	5	1	4	0	
	VIVO	4	3	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
45	OPPO	3	2	0		
	ASUS	5	3	2	0	
	VIVO	4	4	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
46	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	1	0			
47	OPPO	2	3	0		
	ASUS	4	4	4	0	
	VIVO	4	5	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
48	OPPO	3	3	0		
	ASUS	4	2	3	0	
	VIVO	4	3	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
49	OPPO	2	3	0		
	ASUS	5	3	4	0	
	VIVO	4	4	4	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
50	OPPO	2	2	0		
	ASUS	4	3	3	0	
	VIVO	4	2	3	2	0

Keterangan:

S : Samsung

X : Xiaomi

O : Oppo

A : Asus

V : Vivo

Lampiran 7

Atribut Garansi atau Jaminan

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
1	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
2	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	4	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
3	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
4	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
5	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
6	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	3	4	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
7	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	4	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
8	OPPO	2	4	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	2	0			
9	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
10	OPPO	2	3	0		
	ASUS	5	3	4	0	
	VIVO	4	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
11	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
12	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	4	4	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
13	OPPO	3	4	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
14	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
15	OPPO	3	3	0		
	ASUS	4	4	4	0	
	VIVO	5	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
16	OPPO	3	3	0		
	ASUS	5	3	4	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
17	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	4	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
18	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	5	3	3	1	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
19	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
20	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
21	OPPO	3	3	0		
	ASUS	4	3	4	0	
	VIVO	5	3	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
22	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
23	OPPO	3	3	0		
	ASUS	3	3	4	0	
	VIVO	3	3	4	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
24	OPPO	3	4	0		
	ASUS	3	3	5	0	
	VIVO	3	3	4	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
25	OPPO	3	4	0		
	ASUS	4	3	4	0	
	VIVO	3	3	4	1	0
	SAMSUNG	0				
	XIAOMI	4	0			
26	OPPO	3	3	0		
	ASUS	3	3	4	0	
	VIVO	3	3	4	2	0
	SAMSUNG	0				
	XIAOMI	4	0			
27	OPPO	3	4	0		
	ASUS	3	3	3	0	
	VIVO	4	3	3	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
28	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	3	0
	SAMSUNG	0				
	XIAOMI	3	0			
29	OPPO	3	3	0		
	ASUS	3	3	3	0	
	VIVO	4	4	4	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
30	OPPO	3	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
31	OPPO	3	3	0		
	ASUS	3	4	3	0	
	VIVO	2	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
32	OPPO	2	3	0		
	ASUS	4	3	2	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
33	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	4	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
34	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	4	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
35	OPPO	3	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	4	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
36	OPPO	1	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	4	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	3	0			
37	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	3	1	0
	SAMSUNG	0				
	XIAOMI	2	0			
38	OPPO	2	4	0		
	ASUS	4	3	4	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
39	OPPO	3	4	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
40	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	3	1	0
	SAMSUNG	0				
	XIAOMI	2	0			
41	OPPO	2	3	0		
	ASUS	3	4	4	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
42	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	3	4	4	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
43	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	4	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
44	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
45	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	3	1	0
	SAMSUNG	0				
	XIAOMI	2	0			
46	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	3	0			
47	OPPO	3	3	0		
	ASUS	4	3	3	0	
	VIVO	3	3	4	1	0
	SAMSUNG	0				
	XIAOMI	3	0			
48	OPPO	2	4	0		
	ASUS	4	3	3	0	
	VIVO	3	3	3	2	0

NO	MEREK	S	X	O	A	V
	SAMSUNG	0				
	XIAOMI	2	0			
49	OPPO	2	3	0		
	ASUS	3	3	3	0	
	VIVO	3	3	3	2	0
	SAMSUNG	0				
	XIAOMI	2	0			
50	OPPO	2	3	0		
	ASUS	4	3	3	0	
	VIVO	4	3	3	2	0

Keterangan:

S : Samsung

X : Xiaomi

O : Oppo

A : Asus

V : Vivo