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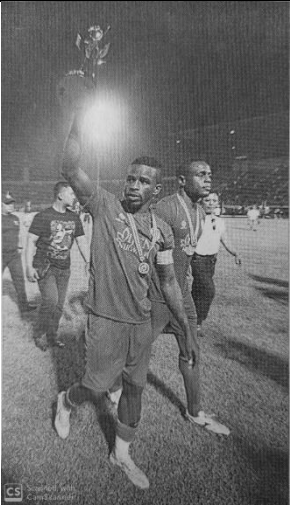


Halaman ini sengaja dikosongkan





LAMPIRAN

Lampiran 1

Tabel L.1. Dataset Pengujian

No	Gambar	Sumber
1		Jawapos 30 November 2013 Halaman 23
2		Jawapos 30 November 2013 Halaman 23
3		Jawapos 30 November 2013 Halaman 23
4		Jawapos 30 November 2013 Halaman 23






No	Gambar	Sumber
5		<p>Jawapos 30 November 2013 Halaman 24</p>
6		<p>Jawapos 30 November 2013 Halaman 24</p>
7		<p>Jawapos 30 November 2013 Halaman 24</p>

No	Gambar	Sumber
8		<p>Jawapos 30 November 2013 Halaman 30</p>
9		<p>Jawapos 30 November 2013 Halaman 30</p>
10		<p>Jawapos 21 Oktober 2014 Halaman 19</p>
11		<p>Jawapos 21 Oktober 2014 Halaman 19</p>






No	Gambar	Sumber
12		<p>Jawapos 21 Oktober 2014 Halaman 20</p>
13		<p>Jawapos 21 Oktober 2014 Halaman 20</p>
14		<p>Jawapos 21 Oktober 2014 Halaman 20</p>
15		<p>Jawapos 21 Oktober 2014 Halaman 20</p>
16		<p>Jawapos 21 Oktober 2014 Halaman 25</p>
17		<p>Jawapos 21 Oktober 2014 Halaman 25</p>

No	Gambar	Sumber
18		<p>Jawapos 21 Oktober 2014 Halaman 25</p>
19		<p>Jawapos 21 Oktober 2014 Halaman 26</p>
20		<p>Jawapos 21 Oktober 2014 Halaman 26</p>
21		<p>Jawapos 21 Oktober 2014 Halaman 26</p>
22		<p>Jawapos 21 Oktober 2014 Halaman 26</p>
23		<p>Jawapos 6 Januari 2015 Halaman 15</p>







No	Gambar	Sumber
24		<p>Jawapos 6 Januari 2015 Halaman 15</p>
25		<p>Jawapos 6 Januari 2015 Halaman 15</p>
26		<p>Jawapos 6 Januari 2015 Halaman 15</p>
27		<p>Jawapos 6 Januari 2015 Halaman 16</p>
28		<p>Jawapos 6 Januari 2015 Halaman 16</p>
29		<p>Jawapos 6 Januari 2015 Halaman 16</p>


No	Gambar	Sumber
30		<p>Jawapos 6 Januari 2015 Halaman 16</p>
31		<p>Jawapos 6 Januari 2015 Halaman 22</p>
32		<p>Jawapos 6 Januari 2015 Halaman 22</p>
33		<p>Jawapos 6 Januari 2015 Halaman 22</p>
34		<p>Jawapos 1 Maret 2015 Halaman 15</p>







No	Gambar	Sumber
35		<p>Jawapos 1 Maret 2015 Halaman 15</p>
36		<p>Jawapos 1 Maret 2015 Halaman 15</p>
37		<p>Jawapos 1 Maret 2015 Halaman 15</p>
38		<p>Jawapos 1 Maret 2015 Halaman 16</p>





No	Gambar	Sumber
39		<p>Jawapos 1 Maret 2015 Halaman 16</p>
40		<p>Jawapos 1 Maret 2015 Halaman 16</p>
41		<p>Jawapos 1 Maret 2015 Halaman 16</p>
42		<p>Jawapos 1 Maret 2015 Halaman 22</p>
43		<p>Jawapos 1 Maret 2015 Halaman 22</p>







No	Gambar	Sumber
44		<p>Jawapos 1 Maret 2015 Halaman 22</p>
45		<p>Jawapos 4 Maret 2015 Halaman 15</p>
46		<p>Jawapos 4 Maret 2015 Halaman 15</p>
47		<p>Jawapos 4 Maret 2015 Halaman 15</p>
48		<p>Jawapos 4 Maret 2015 Halaman 15</p>







No	Gambar	Sumber
49		<p>Jawapos 4 Maret 2015 Halaman 16</p>
50		<p>Jawapos 4 Maret 2015 Halaman 16</p>
51		<p>https://picsum.photos/</p>
52		<p>https://picsum.photos/</p>
53		<p>https://picsum.photos/</p>
54		<p>https://picsum.photos/</p>





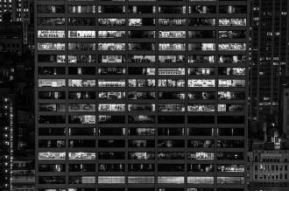

No	Gambar	Sumber
55		https://picsum.photos/
56		https://picsum.photos/
57		https://picsum.photos/
58		https://picsum.photos/
59		https://picsum.photos/
60		https://picsum.photos/







No	Gambar	Sumber
61		https://picsum.photos/
62		https://picsum.photos/
63		https://picsum.photos/
64		https://picsum.photos/
65		https://picsum.photos/
66		https://picsum.photos/


No	Gambar	Sumber
67		https://picsum.photos/
68		https://picsum.photos/
69		https://picsum.photos/
70		https://picsum.photos/
71		https://picsum.photos/
72		https://picsum.photos/







No	Gambar	Sumber
73		https://picsum.photos/
74		https://picsum.photos/
75		https://picsum.photos/
76		https://picsum.photos/
77		https://picsum.photos/
78		https://picsum.photos/

No	Gambar	Sumber
79		https://picsum.photos/
80		https://picsum.photos/
81		https://picsum.photos/
82		https://picsum.photos/
83		https://picsum.photos/
84		https://picsum.photos/







No	Gambar	Sumber
85		https://picsum.photos/
86		https://picsum.photos/
87		https://picsum.photos/
88		https://picsum.photos/
89		https://picsum.photos/
90		https://picsum.photos/







No	Gambar	Sumber
91		https://picsum.photos/
92		https://picsum.photos/
93		https://picsum.photos/
94		https://picsum.photos/
95		https://picsum.photos/
96		https://picsum.photos/

No	Gambar	Sumber
97		https://picsum.photos/
98		https://picsum.photos/
99		https://picsum.photos/
100		https://picsum.photos/
101		https://picsum.photos/
102		https://picsum.photos/


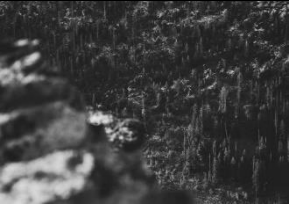


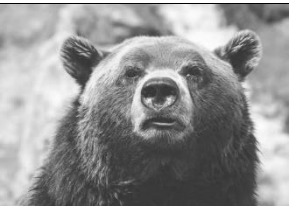
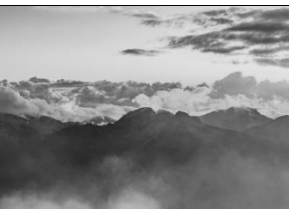
No	Gambar	Sumber
103		https://picsum.photos/
104		https://picsum.photos/
105		https://picsum.photos/
106		https://picsum.photos/
107		https://picsum.photos/
108		https://picsum.photos/







No	Gambar	Sumber
109		https://picsum.photos/
110		https://picsum.photos/
111		https://picsum.photos/
112		https://picsum.photos/
113		https://picsum.photos/
114		https://picsum.photos/







No	Gambar	Sumber
115		https://picsum.photos/
116		https://picsum.photos/
117		https://picsum.photos/
118		https://picsum.photos/
119		https://picsum.photos/
120		https://picsum.photos/

No	Gambar	Sumber
121		https://picsum.photos/
122		https://picsum.photos/
123		https://picsum.photos/
124		https://picsum.photos/
125		https://picsum.photos/
126		https://picsum.photos/

No	Gambar	Sumber
127		https://picsum.photos/
128		https://picsum.photos/
129		https://picsum.photos/
130		https://picsum.photos/
131		https://picsum.photos/
132		https://picsum.photos/

No	Gambar	Sumber
133		https://picsum.photos/
134		https://picsum.photos/
135		https://picsum.photos/
136		https://picsum.photos/
137		https://picsum.photos/
138		https://picsum.photos/

No	Gambar	Sumber
139		https://picsum.photos/
140		https://picsum.photos/
141		https://picsum.photos/
142		https://picsum.photos/
143		https://picsum.photos/
144		https://picsum.photos/

No	Gambar	Sumber
145		https://picsum.photos/
146		https://picsum.photos/
147		https://picsum.photos/
148		https://picsum.photos/
149		https://picsum.photos/
150		https://picsum.photos/

Tabel L.2. *Image Matching API Endpoint*

URL	Method	Parameter	Keterangan
http://34.69.117.203/	GET	-	API ini digunakan untuk melakukan pengecekan server
http://34.69.117.203/check	POST	(string) new_image	Image matching API
		(array) images	

Lampiran 3

Tabel L.3. *Image Matching API Endpoint (Sampel Request)*

URL	Sampel Request
<code>http://34.69.117.203/</code>	-
<code>http://34.69.117.203/check</code>	<pre>{ "new_image": "http://example.com/image3.jpg", "images": [{ "id": 1, "url": "http://example.com/image1.jpg" }, { "id": 2, "url": "http://example.com/image2.jpg" }] }</pre>

Lampiran 4

Tabel L.4. Image Matching API Endpoint (Sampel Response)

URL	Sampel Response
<p>http://34.69.117.203/</p>	<pre>{ "meta": { "code": 200, "message": "OK" } }</pre>
<p>http://34.69.117.203/check</p>	<pre>{ "meta": { "code": 200, "message": "OK" }, "data": { "similar": [{ "id": 1, "ratio": 0.65968586387434 }] } }</pre>

Lampiran 5

Tabel L.5. Pengujian Fungsional Aplikasi ARTube

No	Parameter Uji	Status	Keterangan
1	Membuka aplikasi	VALID	Aplikasi terbuka, kemudian memunculkan Kamera AR
2	Kamera melihat gambar valid	VALID	Gambar terdeteksi, video (yang sesuai) dimunculkan, ukuran bingkai video menyesuaikan dengan ukuran gambar, serta jumlah penonton pada <i>web service</i> bertambah
3	Kamera beralih dari gambar valid	VALID	Video berhenti dimunculkan
4	Kamera melihat gambar tidak valid (gambar yang memang tidak terdaftar di basis data)	VALID	Tidak memunculkan objek AR apapun
5	Kamera melihat gambar valid (yang sama)	VALID	Gambar terdeteksi, video (yang sesuai) dimunculkan, ukuran bingkai video menyesuaikan dengan ukuran gambar, serta jumlah penonton pada <i>web service</i> bertambah
6	Kamera melihat gambar valid lainnya (gambar valid yang berbeda)	VALID	Gambar terdeteksi, kemudian video (yang sesuai) dimunculkan dan ukuran bingkai video menyesuaikan dengan ukuran gambar
7	Kamera melihat 2 atau lebih gambar valid	VALID	Salah satu gambar terbaik (gambar dengan fitur terbanyak) terdeteksi, video (yang sesuai) dimunculkan, ukuran bingkai video menyesuaikan dengan ukuran gambar, serta jumlah penonton pada <i>web service</i> bertambah














Lampiran 6

















Tabel L.6. Pengujian Non-Fungsional Aplikasi ARTube















No	Parameter	Value
1	Waktu pembukaan aplikasi	± 7 detik
2	Waktu pemuatan video	± 2 detik
3	Waktu perubahan mode <i>portrait-landscape</i> kamera	± 1 detik
4	Waktu perubahan mode <i>landscape-potrait</i> kamera	± 1 detik
Rata-Rata		± 2.75 detik
















Lampiran 7

















Tabel L.7. Pengujian Kemiringan *Image Matching/Tracking* Aplikasi ARTube








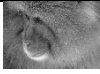


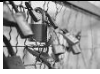





No	Gambar	Sudut				
		0°	20°	40°	60°	80°
1		√	√	×	×	×
2		√	√	√	√	√
3		√	√	√	×	×
4		√	√	√	√	√
5		√	√	√	×	×
6		√	√	√	×	×
7		√	√	×	×	×
8		√	√	√	√	√
9		√	√	√	×	×
10		√	√	×	×	×
11		√	√	×	×	×
12		√	√	√	√	×
13		√	√	√	×	×

No	Gambar	Sudut				
		0°	20°	40°	60°	80°
14		√	√	√	√	×
15		√	√	√	√	×
16		√	√	√	√	×
17		√	√	√	×	×
18		√	√	√	×	×
19		√	√	√	×	×
20		√	√	√	×	×
21		√	√	√	×	×
22		√	√	×	×	×
23		√	√	√	√	√
24		√	√	√	×	×
25		√	√	√	√	×
26		√	√	√	×	×
27		√	√	×	×	×
28		√	√	√	×	×
29		√	√	√	√	×

















No	Gambar	Sudut				
		0°	20°	40°	60°	80°
30		✓	✓	✓	×	×
31		✓	✓	✓	×	×
32		✓	✓	×	×	×
33		✓	✓	×	×	×
34		✓	✓	✓	✓	×
35		✓	✓	✓	×	×
36		✓	✓	×	×	×
37		✓	✓	✓	×	×
38		✓	✓	✓	×	×
39		✓	✓	✓	✓	×
40		✓	✓	✓	✓	×
41		✓	✓	✓	✓	✓
42		✓	✓	✓	✓	×
43		✓	✓	×	×	×

















No	Gambar	Sudut				
		0°	20°	40°	60°	80°
44		√	√	×	×	×
45		√	√	×	×	×
46		√	√	√	√	×
47		√	√	√	√	×
48		√	√	√	×	×
49		√	√	√	√	√
50		√	√	√	√	×
51		√	√	×	×	×
52		√	√	×	×	×
53		√	√	√	×	×
54		√	√	×	×	×
55		√	√	√	√	×
56		√	√	×	×	×
57		√	√	√	√	√
58		√	√	×	×	×













No	Gambar	Sudut				
		0°	20°	40°	60°	80°
59		✓	✓	✓	×	×
60		✓	✓	✓	×	×
61		✓	✓	✓	✓	×
62		✓	✓	✓	✓	×
63		✓	✓	✓	✓	✓
64		✓	✓	✓	✓	✓
65		✓	✓	✓	✓	×
66		✓	✓	✓	✓	✓
67		✓	✓	×	×	×
68		✓	✓	✓	✓	×
69		✓	✓	✓	✓	✓
70		✓	✓	✓	×	×
71		✓	✓	✓	✓	✓
72		✓	✓	✓	×	×
73		✓	✓	✓	✓	✓
74		✓	✓	✓	×	×

No	Gambar	Sudut				
		0°	20°	40°	60°	80°
75		✓	✓	✓	✓	×
76		✓	✓	✓	×	×
77		✓	✓	✓	✓	✓
78		✓	✓	×	×	×
79		✓	✓	✓	×	×
80		✓	✓	×	×	×
81		✓	✓	✓	✓	✓
82		✓	✓	×	×	×
83		✓	✓	✓	✓	✓
84		✓	✓	✓	×	×
85		✓	✓	✓	✓	✓
86		✓	✓	✓	✓	✓
87		✓	✓	×	×	×
88		✓	✓	✓	✓	✓
89		✓	✓	✓	✓	✓
90		✓	✓	×	×	×

No	Gambar	Sudut				
		0°	20°	40°	60°	80°
91		✓	✓	×	×	×
92		✓	✓	×	×	×
93		✓	✓	✓	✓	×
94		✓	✓	×	×	×
95		✓	✓	✓	✓	✓
96		✓	✓	×	×	×
97		✓	✓	✓	×	×
98		✓	✓	✓	×	×
99		✓	✓	✓	✓	✓
100		✓	✓	×	×	×
101		✓	✓	✓	✓	×
102		✓	✓	✓	×	×
103		✓	✓	✓	✓	×
104		✓	✓	✓	✓	✓
105		✓	✓	✓	✓	✓
106		✓	✓	×	×	×





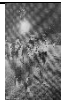








No	Gambar	Sudut				
		0°	20°	40°	60°	80°
107		√	√	×	×	×
108		√	√	×	×	×
109		√	√	√	√	×
110		√	√	√	√	√
111		√	√	×	×	×
112		√	√	√	√	√
113		√	√	×	×	×
114		√	√	×	×	×
115		√	√	√	×	×
116		√	√	√	√	×
117		√	√	√	√	×
118		√	√	×	×	×
119		√	√	√	×	×
120		√	√	√	×	×
121		√	√	√	√	√
122		√	√	√	√	×
















No	Gambar	Sudut				
		0°	20°	40°	60°	80°
123		✓	✓	✓	×	×
124		✓	✓	×	×	×
125		✓	✓	✓	×	×
126		✓	✓	✓	✓	×
127		✓	✓	×	×	×
128		✓	✓	✓	✓	✓
129		✓	✓	✓	✓	×
130		✓	✓	✓	×	×
131		✓	✓	✓	✓	×
132		✓	✓	✓	×	×
133		✓	✓	✓	✓	✓
134		✓	✓	✓	×	×
135		✓	✓	✓	✓	✓
136		✓	✓	×	×	×
137		✓	✓	✓	✓	×
138		✓	✓	✓	×	×















No	Gambar	Sudut				
		0°	20°	40°	60°	80°
139		√	√	×	×	×
140		√	√	√	√	√
141		√	√	√	×	×
142		√	√	√	√	√
143		√	√	√	√	√
144		√	√	×	×	×
145		√	√	√	×	×
146		√	√	√	√	×
147		√	√	√	√	√
148		√	√	√	√	√
149		√	√	√	√	×
150		√	√	√	√	√
Valid / Tidak Valid		150 / 0	150 / 0	110 / 40	68 / 82	36 / 114
Persentase Valid		100%	100%	73.33%	45.33%	24%
Rata-Rata Total		68.53%				
















Lampiran 8
















Tabel L.8. Pengujian Kecerahan *Image Matching/Tracking* Aplikasi ARTube
















No	Gambar	Kecerahan				
		Sangat Gelap	Gelap	Normal	Cerah	Sangat Cerah
1		×	×	√	√	√
2		×	√	√	√	√
3		×	√	√	√	√
4		×	√	√	√	√
5		×	√	√	√	√
6		×	√	√	√	√
7		×	×	√	√	√
8		×	√	√	√	√
9		×	√	√	√	√
10		×	×	√	√	√
11		×	×	√	√	√
12		×	√	√	√	√
13		×	√	√	√	√
















No	Gambar	Kecerahan				
		Sangat Gelap	Gelap	Normal	Cerah	Sangat Cerah
14		×	√	√	√	√
15		×	√	√	√	√
16		×	√	√	√	√
17		×	√	√	√	√
18		×	×	√	√	√
19		×	×	√	√	√
20		×	√	√	√	√
21		×	×	√	√	√
22		×	×	√	√	√
23		×	√	√	√	√
24		×	√	√	√	√
25		×	√	√	√	√
26		×	√	√	√	√
27		×	×	√	√	√
28		×	×	√	√	√
















No	Gambar	Kecerahan				
		Sangat Gelap	Gelap	Normal	Cerah	Sangat Cerah
29		×	√	√	√	√
30		×	√	√	√	√
31		×	×	√	√	√
32		×	×	√	√	√
33		×	×	√	√	√
34		×	√	√	√	√
35		×	√	√	√	√
36		×	×	√	√	√
37		×	√	√	√	√
38		×	×	√	√	√
39		×	√	√	√	√
40		×	√	√	√	√
41		×	√	√	√	√
42		×	√	√	√	√
















No	Gambar	Kecerahan				
		Sangat Gelap	Gelap	Normal	Cerah	Sangat Cerah
43		×	×	√	√	√
44		×	×	√	√	√
45		×	×	√	√	√
46		×	√	√	√	√
47		×	√	√	√	√
48		×	√	√	√	√
49		×	√	√	√	√
50		×	√	√	√	√
51		×	×	√	√	√
52		×	×	√	√	√
53		×	√	√	√	√
54		×	×	√	√	√
55		×	√	√	√	√
56		×	×	√	√	√
57		×	√	√	√	√
















No	Gambar	Kecerahan				
		Sangat Gelap	Gelap	Normal	Cerah	Sangat Cerah
58		×	×	√	√	√
59		×	√	√	√	√
60		×	√	√	√	√
61		×	√	√	√	√
62		×	√	√	√	√
63		×	√	√	√	√
64		×	√	√	√	√
65		×	√	√	√	√
66		×	√	√	√	√
67		×	×	√	√	√
68		×	√	√	√	√
69		×	√	√	√	√
70		×	√	√	√	√
71		×	√	√	√	√
72		×	×	√	√	√




No	Gambar	Kecerahan				
		Sangat Gelap	Gelap	Normal	Cerah	Sangat Cerah
73		×	√	√	√	√
74		×	√	√	√	√
75		×	√	√	√	√
76		×	√	√	√	√
77		×	√	√	√	√
78		×	×	√	√	√
79		×	√	√	√	√
80		×	×	√	√	√
81		×	√	√	√	√
82		×	×	√	√	√
83		×	√	√	√	√
84		×	√	√	√	√
85		×	√	√	√	√
86		×	√	√	√	√
87		×	×	√	√	√

No	Gambar	Kecerahan				
		Sangat Gelap	Gelap	Normal	Cerah	Sangat Cerah
88		×	√	√	√	√
89		×	√	√	√	√
90		×	×	√	√	√
91		×	×	√	√	√
92		×	×	√	√	√
93		×	√	√	√	√
94		×	×	√	√	√
95		×	√	√	√	√
96		×	×	√	√	√
97		×	√	√	√	√
98		×	√	√	√	√
99		×	√	√	√	√
100		×	×	√	√	√
101		×	√	√	√	√
102		×	×	√	√	√

No	Gambar	Kecerahan				
		Sangat Gelap	Gelap	Normal	Cerah	Sangat Cerah
103		×	√	√	√	√
104		×	√	√	√	√
105		×	√	√	√	√
106		×	×	√	√	√
107		×	×	√	√	√
108		×	×	√	√	√
109		×	√	√	√	√
110		×	√	√	√	√
111		×	×	√	√	√
112		×	√	√	√	√
113		×	×	√	√	√
114		×	×	√	√	√
115		×	√	√	√	√
116		×	√	√	√	√
117		×	√	√	√	√

No	Gambar	Kecerahan				
		Sangat Gelap	Gelap	Normal	Cerah	Sangat Cerah
118		×	×	√	√	√
119		×	√	√	√	√
120		×	×	√	√	√
121		×	√	√	√	√
122		×	√	√	√	√
123		×	√	√	√	√
124		×	×	√	√	√
125		×	√	√	√	√
126		×	√	√	√	√
127		×	×	√	√	√
128		×	√	√	√	√
129		×	√	√	√	√
130		×	√	√	√	√
131		×	√	√	√	√
132		×	√	√	√	√

No	Gambar	Kecerahan				
		Sangat Gelap	Gelap	Normal	Cerah	Sangat Cerah
133		×	√	√	√	√
134		×	√	√	√	√
135		×	√	√	√	√
136		×	×	√	√	√
137		×	√	√	√	√
138		×	√	√	√	√
139		×	×	√	√	√
140		×	√	√	√	√
141		×	√	√	√	√
142		×	√	√	√	√
143		×	√	√	√	√
144		×	×	√	√	√
145		×	×	√	√	√
146		×	√	√	√	√
147		×	√	√	√	√

No	Gambar	Kecerahan				
		Sangat Gelap	Gelap	Normal	Cerah	Sangat Cerah
148		×	√	√	√	√
149		×	√	√	√	√
150		×	√	√	√	√
Valid / Tidak Valid		0 / 150	100 / 50	150 / 0	150 / 0	150 / 0
Persentase Valid		0%	66.67%	100%	100%	100%
Rata-Rata Total		73.33%				

Lampiran 9

Tabel L.9. Pengujian Performa Aplikasi ARTube Terhadap Banyaknya Data

No	Jumlah Data	Waktu Eksekusi
1	1	0.73s
2	50	1.05s
3	100	1.44s
4	150	1.85s
Rata-Rata		1.26s

Lampiran 10

Tabel L.10. Pengujian *Black Box Web Service* ARTube

No	Input	Output	Status	Keterangan
<i>Sign-Up</i>				
1	Name: (null) E-Mail: (null) Password: (null) Confirm Password: (null) Company: (null)	Kembali ke halaman register dengan menampilkan <i>error</i> name, e-mail, password, dan confirm password	VALID	-
2	Name: (string dengan panjang >255) E-Mail: (string dengan panjang >100) Password: (string dengan panjang >255) Confirm Password: (string yang tidak sesuai dengan <i>field</i> password) Company: (string dengan panjang >255)	Kembali ke halaman register dengan menampilkan <i>error</i> name, e-mail, password, confirm password, dan company	VALID	-
3	Name: (string karakter alfanumerik) E-Mail: (string bukan e-mail) Password: (string karakter alfanumerik) Confirm Password: (string yang tidak	Kembali ke halaman register dengan menampilkan <i>error</i> name, e-mail, dan confirm password	VALID	-

No	Input	Output	Status	Keterangan
	sesuai dengan <i>field</i> password) Company: (string karakter alfanumerik)			
4	Name: (string karakter alfabet) E-Mail: (e-mail sudah ada di <i>database</i>) Password: (string karakter alfanumerik) Confirm Password: (string yang sesuai dengan <i>field</i> password) Company: (string karakter alfabet)	Kembali ke halaman register dengan menampilkan <i>error</i> e-mail	VALID	-
5	Name: (string karakter alfabet) E-Mail: (e-mail valid) Password: (string karakter alfanumerik) Confirm Password: (string yang sesuai dengan <i>field</i> password) Company: (string karakter alfabet)	<i>Sign-Up</i> berhasil, kemudian menuju ke halaman <i>landing page</i>	VALID	-
<i>Sign-In</i>				
1	E-Mail: (tidak ada di <i>database</i>)	Kembali ke halaman login dengan	VALID	-

No	Input	Output	Status	Keterangan
	Password: (string)	menampilkan <i>error</i> e-mail		
2	E-Mail: (string bukan e-mail) Password: (string)	Kembali ke halaman login dengan menampilkan <i>error</i> e-mail	VALID	-
3	E-Mail: (null) Password: (null)	Kembali ke halaman login dengan menampilkan <i>error</i> e-mail dan password	VALID	-
4	E-Mail: (string e-mail valid) Password: (password yang salah)	Kembali ke halaman login dengan menampilkan <i>error</i> password	VALID	-
5	E-Mail: (string e-mail valid) Password: (password valid)	<i>Sign-In</i> berhasil, kemudian menuju ke halaman <i>landing page</i>	VALID	-
<i>Sign-Out</i>				
1	-	<i>Sign-Out</i> berhasil, kemudian menuju ke halaman <i>landing page</i>	VALID	-
Manajemen Data				
1	(data kosong)	Data tidak ditemukan, menuju ke halaman manajemen data, dan memunculkan pesan bahwa data kosong	VALID	-
2	(jumlah data >10)	10 data pertama ditampilkan di halaman manajemen data, dan data lainnya disembunyikan	VALID	-














No	Input	Output	Status	Keterangan
		sampai perintah <i>pagination</i> dipanggil		
3	(jumlah data <10)	Data ditampilkan di halaman manajemen data	VALID	-
4	(<i>request</i> melihat gambar)	Gambar ditampilkan melalui modal pada halaman manajemen data	VALID	-
Tambah Data				
1	Title: (null) Image: (null) Video: (null) Description: (null)	Kembali ke halaman tambah data dengan menampilkan <i>error</i> title, image, dan video	VALID	-
2	Title: (string dengan panjang >255) Image: (file gambar) Video: (file video) Description: (string alfanumerik)	Kembali ke halaman tambah data dengan menampilkan <i>error</i> title	VALID	-
3	Title: (string alfanumerik) Image: (file bukan gambar) Video: (file video) Description: (string alfanumerik)	Kembali ke halaman tambah data dengan menampilkan <i>error</i> image		
4	Title: (string alfanumerik) Image: (file gambar)	Data berhasil disimpan, menuju ke halaman tampil data	TIDAK VALID	Input video yang bukan merupakan file video

















No	Input	Output	Status	Keterangan
	Video: (file bukan video) Description: (string alfanumerik)			seharusnya ditolak, sehingga seharusnya proses dikembalikan ke halaman tambah data dengan memunculkan <i>error</i> video
5	Title: (string alfanumerik) Image: (file gambar) Video: (file video) Description: (string alfanumerik)	Data berhasil disimpan, menuju ke halaman tampil data	VALID	-
6	Title: (string alfanumerik) Image: (file gambar) Video: (file video dengan ukuran >100mb) Description: (string alfanumerik)	Kembali ke halaman tambah data dengan menampilkan <i>error</i> video	VALID	-
Detail Data				
1	-	Menuju ke halaman detail data dan menampilkan data gambar serta data video	VALID	-
Hapus Data				
1	-	Hapus data berhasil, kembali ke halaman tampil data	VALID	-















No	Input	Output	Status	Keterangan
Laporan				
1	(Laporan Harian)	Grafik <i>Views</i> 30 hari terakhir	VALID	-
2	(Laporan Bulanan)	Grafik <i>Views</i> 12 bulan terakhir	VALID	-
















Lampiran 11

















Tabel L.11. Pengujian Rotasi Gambar *Image Matching Web Service* ARTube

















No	Gambar	Rotasi (% match)			
		0°	90°	180°	270°
1		100%	96.01%	95.27%	96.48%
2		100%	97.40%	96.49%	97.30%
3		100%	98.60%	98.17%	98.64%
4		100%	98.79%	98.48%	98.88%
5		100%	99.66%	99.57%	99.65%
6		100%	94.18%	92.31%	94.34%
7		100%	97.44%	96.57%	97.16%
8		100%	94.97%	92.99%	94.84%
9		100%	99.53%	99.42%	99.60%
10		100%	92.49%	88.19%	91.06%
11		100%	98.79%	98.46%	99.03%
12		100%	99.51%	99.33%	99.47%
13		100%	92.04%	89.81%	93.55%

















No	Gambar	Rotasi (% match)			
		0°	90°	180°	270°
14		100%	99.10%	98.82%	99.05%
15		100%	99.23%	99.00%	99.28%
16		100%	92.37%	88.32%	90.78%
17		100%	98.57%	98.23%	98.54%
18		100%	98.29%	97.91%	98.29%
19		100%	96.41%	95.49%	96.71%
20		100%	89.69%	82.94%	86.31%
21		100%	98.81%	98.30%	98.78%
22		100%	99.16%	99.06%	99.42%
23		100%	90.62%	88.17%	91.36%
24		100%	94.40%	91.94%	94.02%
25		100%	98.60%	98.05%	98.58%
26		100%	92.06%	89.69%	92.37%
27		100%	99.84%	99.81%	99.86%
28		100%	97.30%	95.77%	96.62%
29		100%	98.58%	98.18%	98.47%

















No	Gambar	Rotasi (% <i>match</i>)			
		0°	90°	180°	270°
30		100%	98.70%	98.41%	98.72%
31		100%	94.26%	93.21%	95.21%
32		100%	98.07%	97.61%	98.26%
33		100%	99.12%	98.72%	98.93%
34		100%	90.70%	88.34%	91.14%
35		100%	98.98%	98.51%	98.82%
36		100%	91.82%	88.91%	92.21%
37		100%	91.57%	89.20%	91.49%
38		100%	95.75%	94.71%	96.09%
39		100%	87.35%	83.74%	87.78%
40		100%	98.02%	97.40%	97.95%
41		100%	91.51%	89.33%	92.24%
42		100%	90.43%	85.39%	89.98%
43		100%	96.26%	94.84%	96.23%

















No	Gambar	Rotasi (% match)			
		0°	90°	180°	270°
44		100%	97.97%	97.19%	98.01%
45		100%	98.94%	98.62%	98.99%
46		100%	93.68%	89.39%	91.36%
47		100%	96.22%	94.56%	95.83%
48		100%	98.33%	97.75%	98.30%
49		100%	86.49%	82.40%	86.91%
50		100%	98.89%	98.60%	98.88%
51		100%	93.76%	92.43%	95.99%
52		100%	90.07%	89.36%	90.78%
53		100%	91.43%	90.06%	95.22%
54		100%	96.25%	93.12%	94.69%
55		100%	94.94%	93.77%	92.80%
56		100%	92.10%	90.74%	94.28%
57		100%	92.77%	91.52%	94.06%
58		100%	92.15%	93.10%	96.55%













No	Gambar	Rotasi (% <i>match</i>)			
		0°	90°	180°	270°
59		100%	95.08%	93.56%	94.35%
60		100%	94.69%	90.94%	94.69%
61		100%	91.82%	89.86%	91.93%
62		100%	90.95%	90.95%	94.29%
63		100%	93.84%	91.89%	93.84%
64		100%	87.39%	85.92%	87.68%
65		100%	95.80%	94.22%	95.86%
66		100%	91.49%	90.76%	90.76%
67		100%	86.05%	79.07%	83.72%
68		100%	93.94%	92.59%	95.96%
69		100%	91.32%	90.25%	94.59%
70		100%	92.80%	90.24%	92.64%
71		100%	92.37%	91.55%	92.64%
72		100%	95.04%	93.29%	94.46%
73		100%	92.34%	91.49%	94.89%
74		100%	94.29%	94.11%	95.52%

No	Gambar	Rotasi (% match)			
		0°	90°	180°	270°
75		100%	92.57%	91.42%	94.12%
76		100%	94.46%	92.95%	95.68%
77		100%	94.09%	92.68%	94.74%
78		100%	94.10%	92.79%	93.61%
79		100%	92.84%	88.54%	92.26%
80		100%	95.02%	94.25%	97.32%
81		100%	94.47%	93.30%	94.18%
82		100%	97.05%	94.83%	94.94%
83		100%	93.63%	93.09%	96.22%
84		100%	94.68%	92.80%	94.83%
85		100%	85.59%	84.13%	89.67%
86		100%	95.14%	93.39%	95.40%
87		100%	89.55%	82.09%	86.57%
88		100%	93.60%	91.92%	93.81%
89		100%	92.20%	89.84%	92.40%
90		100%	93.46%	95.29%	97.38%

No	Gambar	Rotasi (% <i>match</i>)			
		0°	90°	180°	270°
91		100%	94.99%	94.99%	94.71%
92		100%	95.26%	94.74%	97.37%
93		100%	93.44%	90.55%	93.44%
94		100%	95.27%	93.24%	97.30%
95		100%	94.95%	92.91%	94.20%
96		100%	87.56%	84.08%	89.05%
97		100%	93.93%	93.67%	95.78%
98		100%	94.15%	93.28%	96.02%
99		100%	93.54%	91.78%	94.61%
100		100%	92.28%	89.81%	94.75%
101		100%	94.74%	93.26%	93.80%
102		100%	93.67%	94.94%	93.67%
103		100%	93.32%	92.07%	92.87%
104		100%	94.31%	92.27%	93.75%
105		100%	94.88%	92.41%	94.20%
106		100%	88.98%	86.61%	89.76%














No	Gambar	Rotasi (% match)			
		0°	90°	180°	270°
107		100%	93.27%	92.38%	95.96%
108		100%	94.18%	92.91%	95.27%
109		100%	95.08%	93.20%	94.96%
110		100%	94.13%	93.13%	94.35%
111		100%	89.13%	91.30%	91.30%
112		100%	93.23%	91.44%	94.43%
113		100%	94.27%	92.69%	94.27%
114		100%	93.91%	90.77%	94.28%
115		100%	95.34%	93.46%	94.79%
116		100%	91.49%	89.31%	92.35%
117		100%	94.25%	91.95%	95.08%
118		100%	95.12%	91.99%	94.44%
119		100%	91.20%	92.80%	95.20%
120		100%	95.13%	93.92%	94.89%
121		100%	94.84%	93.35%	93.89%
122		100%	90.88%	91.75%	93.92%
















No	Gambar	Rotasi (% <i>match</i>)			
		0°	90°	180°	270°
123		100%	91.59%	86.06%	91.83%
124		100%	94.11%	92.64%	93.37%
125		100%	93.25%	92.34%	93.48%
126		100%	91.12%	88.82%	93.42%
127		100%	100.00%	100.00%	100.00%
128		100%	93.95%	91.18%	93.70%
129		100%	87.00%	87.00%	88.00%
130		100%	89.57%	86.18%	90.65%
131		100%	92.97%	92.23%	94.92%
132		100%	94.26%	92.64%	94.12%
133		100%	93.23%	90.78%	95.39%
134		100%	91.90%	90.16%	92.59%
135		100%	92.59%	89.37%	92.59%
136		100%	100.00%	93.44%	96.72%
137		100%	92.56%	92.56%	94.29%
138		100%	90.14%	90.66%	92.21%














No	Gambar	Rotasi (% <i>match</i>)			
		0°	90°	180°	270°
139		100%	94.90%	94.31%	97.65%
140		100%	91.56%	89.52%	93.20%
141		100%	94.96%	93.74%	97.10%
142		100%	92.41%	90.28%	92.79%
143		100%	94.01%	91.56%	92.79%
144		100%	93.62%	91.49%	95.74%
145		100%	90.58%	87.43%	93.19%
146		100%	93.42%	89.95%	92.87%
147		100%	93.54%	90.40%	93.89%
148		100%	93.89%	93.25%	95.50%
149		100%	91.74%	92.32%	95.65%
150		100%	93.36%	91.24%	93.23%
Rata-Rata		100%	94.05%	92.45%	94.55%
Rata-Rata Total		95.26%			















Lampiran 12
















Tabel L.12. Pengujian *Noise* Gambar *Image Matching Web Service ARTube*
















No	Gambar	<i>Noise</i> (% match)	
		<i>Salt and Pepper</i> (percentage=1%)	Gaussian (mean=0.4, sigma=0.5)
1		66.09%	77.25%
2		73.16%	80.59%
3		71.66%	79.84%
4		69.97%	78.64%
5		71.05%	80.84%
6		74.98%	84.73%
7		65.00%	79.10%
8		73.44%	81.99%
9		68.85%	78.08%
10		82.11%	90.16%
11		69.87%	77.72%
12		69.80%	79.80%
13		72.82%	84.90%
















No	Gambar	Noise (% match)	
		<i>Salt and Pepper</i> (percentage=1%)	Gaussian (mean=0.4, sigma=0.5)
14		69.92%	81.61%
15		71.68%	82.21%
16		75.20%	86.08%
17		70.63%	80.34%
18		73.35%	80.96%
19		73.90%	80.05%
20		79.38%	88.14%
21		70.79%	79.29%
22		72.28%	82.40%
23		78.65%	86.81%
24		72.30%	81.77%
25		72.82%	81.65%
26		75.15%	83.33%
27		71.78%	80.50%
28		73.41%	81.48%
















No	Gambar	Noise (% match)	
		<i>Salt and Pepper</i> (percentage=1%)	Gaussian (mean=0.4, sigma=0.5)
29		74.50%	82.08%
30		71.27%	80.95%
31		72.82%	84.35%
32		71.60%	81.85%
33		74.74%	82.59%
34		75.99%	86.50%
35		71.94%	81.37%
36		71.16%	80.92%
37		74.65%	83.38%
38		72.86%	80.22%
39		81.31%	87.56%
40		75.12%	84.61%
41		76.49%	84.56%
















No	Gambar	Noise (% match)	
		<i>Salt and Pepper</i> (percentage=1%)	Gaussian (mean=0.4, sigma=0.5)
42		76.55%	86.91%
43		71.56%	83.96%
44		74.68%	84.28%
45		74.65%	82.24%
46		75.52%	83.47%
47		75.46%	83.23%
48		75.04%	82.63%
49		78.17%	85.44%
50		73.91%	82.88%
51		73.27%	77.51%
52		66.67%	85.82%
53		78.22%	84.71%
54		66.88%	79.06%
55		75.88%	81.52%
















No	Gambar	Noise (% match)	
		<i>Salt and Pepper</i> (percentage=1%)	Gaussian (mean=0.4, sigma=0.5)
56		75.20%	83.38%
57		82.00%	88.37%
58		76.44%	81.61%
59		73.21%	85.16%
60		75.62%	85.00%
61		76.12%	81.03%
62		76.67%	81.90%
63		77.03%	87.69%
64		78.89%	87.68%
65		75.00%	81.69%
66		75.72%	82.61%
67		93.02%	88.37%
68		75.07%	84.64%
69		76.41%	83.87%
70		77.44%	87.52%






No	Gambar	Noise (% match)	
		<i>Salt and Pepper</i> (percentage=1%)	Gaussian (mean=0.4, sigma=0.5)
71		72.48%	88.83%
72		75.80%	85.42%
73		82.77%	86.06%
74		73.73%	78.12%
75		77.72%	82.35%
76		76.40%	82.52%
77		74.20%	88.96%
78		74.10%	86.89%
79		77.65%	87.68%
80		67.05%	79.31%
81		83.26%	87.19%
82		70.89%	82.38%
83		80.13%	85.64%
84		75.11%	85.23%
85		80.20%	90.10%

No	Gambar	Noise (% match)	
		<i>Salt and Pepper</i> (percentage=1%)	Gaussian (mean=0.4, sigma=0.5)
86		77.27%	83.40%
87		74.63%	88.06%
88		83.72%	89.09%
89		75.64%	83.59%
90		70.94%	76.70%
91		74.37%	78.55%
92		62.63%	71.58%
93		71.13%	78.48%
94		66.89%	87.16%
95		79.10%	87.00%
96		78.61%	85.07%
97		75.65%	83.26%
98		72.89%	81.47%
99		78.47%	88.99%
100		74.38%	80.56%

No	Gambar	Noise (% match)	
		<i>Salt and Pepper</i> (percentage=1%)	Gaussian (mean=0.4, sigma=0.5)
101		78.84%	82.88%
102		60.76%	87.34%
103		80.97%	84.48%
104		83.10%	93.92%
105		80.99%	88.02%
106		75.59%	88.19%
107		72.20%	79.82%
108		80.73%	83.82%
109		77.29%	85.06%
110		79.53%	89.19%
111		71.74%	82.61%
112		80.44%	86.26%
113		76.68%	82.81%
114		78.78%	85.79%
115		74.94%	87.92%














No	Gambar	Noise (% match)	
		<i>Salt and Pepper</i> (percentage=1%)	Gaussian (mean=0.4, sigma=0.5)
116		71.45%	79.95%
117		78.03%	89.44%
118		72.86%	79.65%
119		84.00%	93.60%
120		75.43%	79.32%
121		80.36%	86.82%
122		72.36%	78.00%
123		78.37%	92.55%
124		74.60%	85.28%
125		75.97%	89.08%
126		73.36%	79.61%
127		57.14%	42.86%
128		73.70%	82.77%
129		78.00%	87.00%
130		78.46%	85.09%

















No	Gambar	Noise (% match)	
		<i>Salt and Pepper</i> (percentage=1%)	Gaussian (mean=0.4, sigma=0.5)
131		79.07%	83.41%
132		75.46%	81.99%
133		75.50%	81.84%
134		73.50%	81.71%
135		79.05%	87.49%
136		86.89%	90.16%
137		78.62%	86.59%
138		75.78%	86.68%
139		74.71%	79.22%
140		76.82%	84.68%
141		75.73%	80.76%
142		79.05%	85.07%
143		76.87%	84.08%
144		61.70%	74.47%
145		64.92%	77.49%















No	Gambar	Noise (% match)	
		<i>Salt and Pepper</i> (percentage=1%)	Gaussian (mean=0.4, sigma=0.5)
146		74.95%	87.20%
147		78.18%	87.32%
148		63.34%	73.95%
149		78.41%	89.86%
150		79.48%	86.52%
Rata-Rata		74.92%	83.43%
Rata-Rata Total		79.17%	
















Lampiran 13

















Tabel L.13. Pengujian Skala Gambar *Image Matching Web Service* ARTube

















No	Gambar	Skala (% match)			
		1	0.75	0.5	0.25
1		100%	68.70%	13.42%	2.85%
2		100%	27.17%	12.09%	5.80%
3		100%	21.11%	5.39%	2.09%
4		100%	12.39%	5.45%	2.73%
5		100%	7.20%	1.21%	0.36%
6		100%	47.08%	22.75%	7.41%
7		100%	71.92%	6.26%	2.02%
8		100%	36.08%	22.92%	12.50%
9		100%	9.52%	1.86%	1.03%
10		100%	60.64%	61.00%	47.41%
11		100%	7.53%	5.19%	2.60%
12		100%	5.87%	2.47%	1.40%
13		100%	48.77%	31.74%	16.52%

















No	Gambar	Skala (% match)			
		1	0.75	0.5	0.25
14		100%	9.83%	4.39%	2.15%
15		100%	6.24%	3.27%	1.90%
16		100%	58.75%	40.38%	18.47%
17		100%	10.57%	5.94%	3.28%
18		100%	11.64%	7.67%	3.84%
19		100%	29.03%	16.29%	9.17%
20		100%	70.53%	69.25%	45.71%
21		100%	9.77%	6.27%	3.91%
22		100%	12.22%	4.56%	2.92%
23		100%	63.44%	41.55%	14.43%
24		100%	37.98%	24.89%	11.26%
25		100%	37.59%	5.67%	2.67%
26		100%	50.17%	30.24%	9.14%
27		100%	43.41%	0.71%	0.49%
28		100%	29.81%	13.55%	5.91%
29		100%	13.00%	6.99%	3.60%

















No	Gambar	Skala (% <i>match</i>)			
		1	0.75	0.5	0.25
30		100%	20.91%	5.24%	1.71%
31		100%	48.30%	18.64%	4.31%
32		100%	12.04%	7.12%	2.45%
33		100%	39.23%	4.60%	2.34%
34		100%	61.29%	39.99%	16.16%
35		100%	11.56%	5.32%	2.70%
36		100%	48.84%	34.79%	16.63%
37		100%	49.30%	39.90%	16.44%
38		100%	30.92%	22.42%	13.53%
39		100%	68.01%	64.78%	32.90%
40		100%	24.81%	10.61%	6.72%
41		100%	57.63%	38.40%	16.17%
42		100%	67.54%	61.28%	34.02%
43		100%	28.17%	17.23%	8.36%

















No	Gambar	Skala (% match)			
		1	0.75	0.5	0.25
44		100%	29.35%	8.81%	3.79%
45		100%	29.78%	4.26%	2.09%
46		100%	57.37%	39.33%	16.76%
47		100%	40.85%	20.66%	7.67%
48		100%	29.06%	8.11%	4.85%
49		100%	70.84%	63.65%	22.61%
50		100%	26.63%	4.70%	1.90%
51		100%	32.96%	14.25%	4.68%
52		100%	41.13%	31.21%	14.89%
53		100%	38.45%	18.56%	4.12%
54		100%	32.19%	18.12%	7.81%
55		100%	46.50%	23.93%	10.31%
56		100%	50.41%	32.97%	10.35%
57		100%	41.68%	20.14%	4.62%
58		100%	41.00%	21.46%	9.77%













No	Gambar	Skala (% <i>match</i>)			
		1	0.75	0.5	0.25
59		100%	37.00%	17.02%	4.56%
60		100%	42.50%	21.88%	11.25%
61		100%	41.44%	26.72%	15.38%
62		100%	46.19%	25.95%	10.24%
63		100%	39.19%	18.47%	6.76%
64		100%	49.27%	44.87%	22.58%
65		100%	36.90%	17.57%	4.25%
66		100%	41.30%	24.82%	7.25%
67		100%	76.74%	72.09%	72.09%
68		100%	36.79%	17.25%	5.53%
69		100%	45.21%	23.59%	7.86%
70		100%	52.64%	37.76%	21.44%
71		100%	39.24%	22.34%	14.99%
72		100%	32.65%	19.24%	15.45%
73		100%	42.02%	21.17%	5.32%
74		100%	34.45%	17.66%	4.57%

No	Gambar	Skala (% match)			
		1	0.75	0.5	0.25
75		100%	37.32%	18.42%	6.85%
76		100%	34.60%	15.54%	3.53%
77		100%	45.83%	29.27%	9.37%
78		100%	39.84%	19.67%	9.02%
79		100%	46.42%	32.95%	11.46%
80		100%	32.18%	17.24%	5.75%
81		100%	41.19%	25.62%	8.30%
82		100%	31.96%	15.61%	4.64%
83		100%	40.82%	19.65%	7.45%
84		100%	38.23%	16.04%	3.67%
85		100%	63.32%	51.53%	20.82%
86		100%	35.57%	15.77%	4.73%
87		100%	71.64%	74.63%	43.28%
88		100%	41.96%	18.66%	3.53%
89		100%	44.72%	25.11%	8.05%
90		100%	31.15%	13.09%	3.93%

No	Gambar	Skala (% <i>match</i>)			
		1	0.75	0.5	0.25
91		100%	32.59%	15.60%	4.74%
92		100%	33.16%	17.89%	4.21%
93		100%	44.62%	26.51%	7.87%
94		100%	21.62%	12.84%	9.46%
95		100%	39.44%	17.79%	4.57%
96		100%	64.68%	59.20%	34.83%
97		100%	34.25%	15.78%	4.60%
98		100%	43.78%	20.40%	6.22%
99		100%	45.35%	22.18%	6.35%
100		100%	37.65%	20.99%	6.48%
101		100%	44.07%	19.14%	6.06%
102		100%	53.16%	39.24%	5.06%
103		100%	42.58%	20.61%	8.38%
104		100%	42.69%	19.85%	3.34%
105		100%	38.46%	16.79%	3.02%
106		100%	60.63%	57.48%	34.65%

No	Gambar	Skala (% <i>match</i>)			
		1	0.75	0.5	0.25
107		100%	29.60%	19.73%	4.48%
108		100%	39.82%	20.18%	5.09%
109		100%	36.25%	17.00%	3.83%
110		100%	46.89%	25.84%	7.16%
111		100%	28.26%	28.26%	82.61%
112		100%	40.70%	19.42%	3.63%
113		100%	34.78%	15.81%	4.94%
114		100%	49.63%	31.00%	10.89%
115		100%	35.14%	19.18%	7.54%
116		100%	49.45%	33.66%	9.11%
117		100%	39.85%	21.86%	6.49%
118		100%	36.91%	19.67%	5.29%
119		100%	60.80%	41.60%	18.40%
120		100%	45.99%	25.79%	7.30%
121		100%	44.75%	22.26%	6.53%
122		100%	40.67%	22.00%	9.84%

No	Gambar	Skala (% <i>match</i>)			
		1	0.75	0.5	0.25
123		100%	51.68%	29.33%	10.34%
124		100%	33.13%	18.53%	6.87%
125		100%	39.27%	17.66%	4.40%
126		100%	42.11%	29.93%	25.33%
127		100%	0%	0%	0%
128		100%	46.47%	25.29%	6.05%
129		100%	52.50%	38.00%	18.00%
130		100%	65.85%	57.59%	19.65%
131		100%	43.35%	31.69%	17.04%
132		100%	41.16%	20.37%	4.07%
133		100%	40.92%	23.34%	11.24%
134		100%	44.91%	24.07%	9.26%
135		100%	42.02%	22.77%	6.13%
136		100%	36.07%	24.59%	6.56%
137		100%	42.90%	27.36%	11.55%
138		100%	45.33%	29.41%	9.52%

No	Gambar	Skala (% <i>match</i>)			
		1	0.75	0.5	0.25
139		100%	37.06%	17.25%	8.43%
140		100%	43.57%	28.09%	10.73%
141		100%	36.64%	14.20%	5.50%
142		100%	51.88%	35.32%	10.73%
143		100%	45.17%	24.90%	9.66%
144		100%	46.81%	27.66%	17.02%
145		100%	32.46%	24.61%	10.47%
146		100%	46.80%	28.70%	13.71%
147		100%	43.16%	23.27%	6.57%
148		100%	36.33%	15.76%	4.50%
149		100%	44.49%	22.17%	7.39%
150		100%	44.29%	21.91%	6.77%
Rata-Rata		100%	39.86%	23.34%	10.32%
Rata-Rata Total		43.38%			