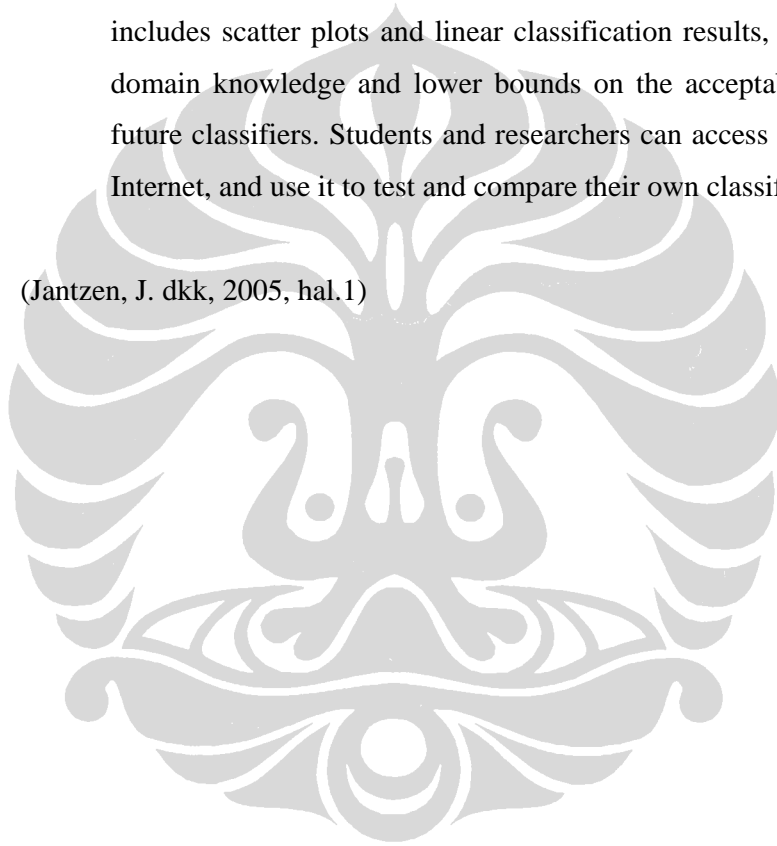


**Lampiran A**

## Pernyataan Persetujuan Penggunaan Data

“This case study provides data and a baseline for comparing classification methods. The data consists of 917 images of Pap-smear cells, classified carefully by cyto-technicians and doctors. Each cell is described by 20 numerical features, and the cells fall into 7 classes. A basic data analysis includes scatter plots and linear classification results, in order to provide domain knowledge and lower bounds on the acceptable performance of future classifiers. Students and researchers can access the database on the Internet, and use it to test and compare their own classification methods.”

(Jantzen, J. dkk, 2005, hal.1)

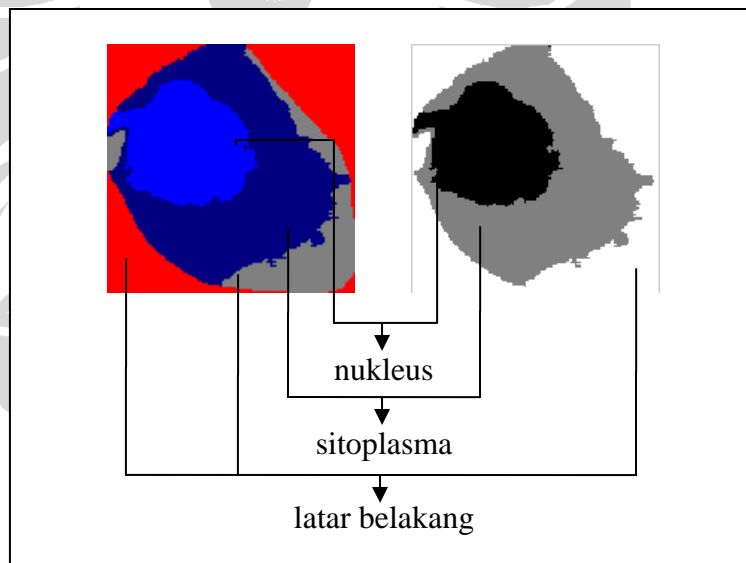


## Lampiran B

### Contoh Data Uji Coba dan Hasil Segmentasi

Data citra uji coba yang digunakan dalam penelitian ini, terdiri dari 917 citra asli dan 917 citra hasil segmentasi dengan perangkat lunak komersial CHAMP. Citra hasil segmentasi tersebut digunakan sebagai citra acuan dalam evaluasi performa metode-metode yang digunakan dalam penelitian ini.

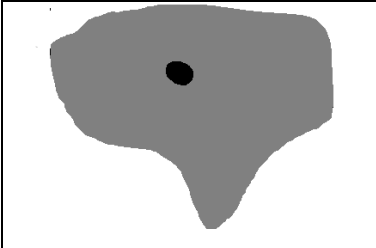

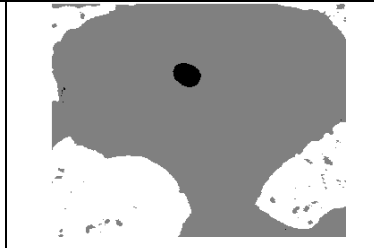
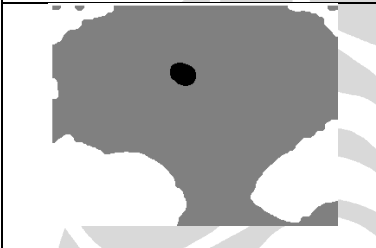
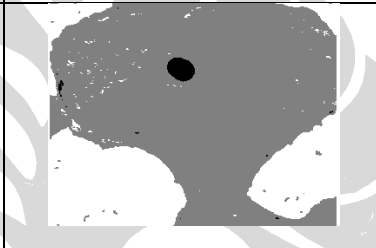
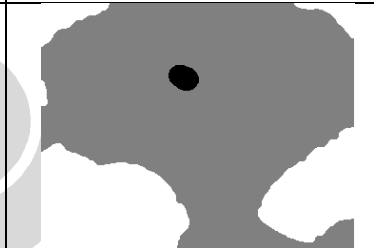
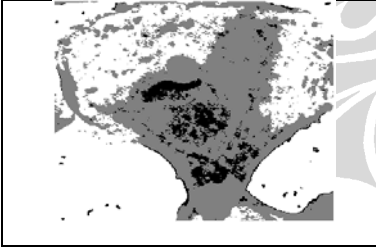
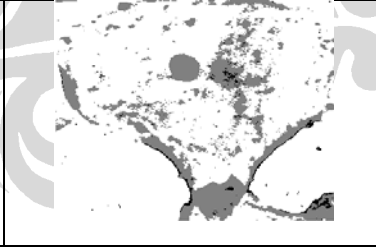
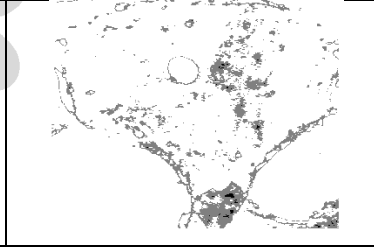
Citra acuan terdiri dari empat warna berbeda, namun dalam pelaksanaannya citra acuan tersebut disesuaikan warnanya dengan citra-citra hasil segmentasi berdasarkan metode yang digunakan dalam penelitian ini, yaitu menjadi keabuan, tanpa mengubah maknanya.



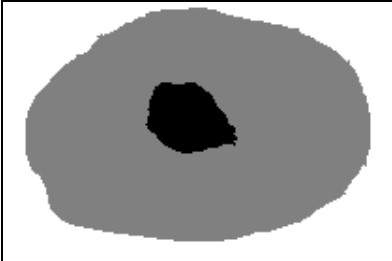

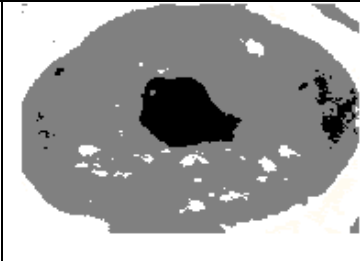

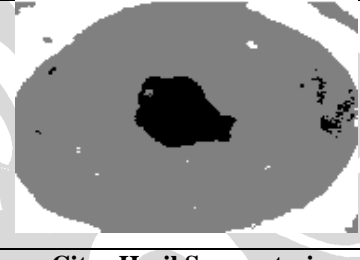

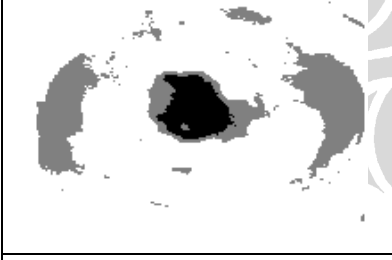

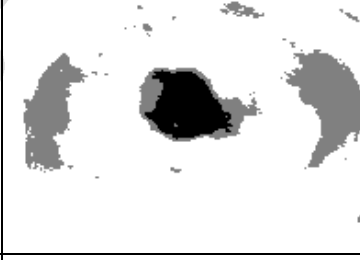
**Gambar B.1 Contoh Citra Acuan (Kiri) dan Citra yang Telah Mengalami Penyesuaian Warna (Kanan)**

Sumber : <http://fuzzy.iau.dtu.dk/download/smea2005> (telah diolah kembali)










Tabel B.1 Contoh Hasil Segmentasi serta Perbaikan Mutu Kelas *Normal Superficial*

		
<b>Citra Acuan</b>	<b>Citra Hasil Segmentasi dengan Multifraktal</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding</b>
		
<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+Morphology</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+MDC</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+ MDC+Morphology</b>
		
<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-1)</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-2)</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-3)</b>

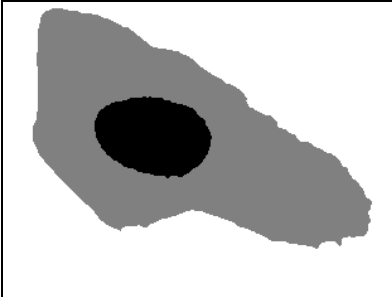
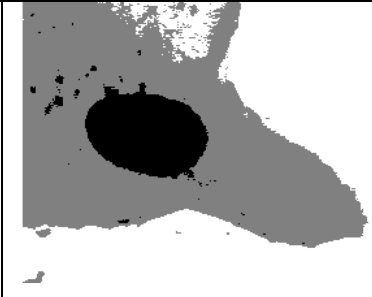


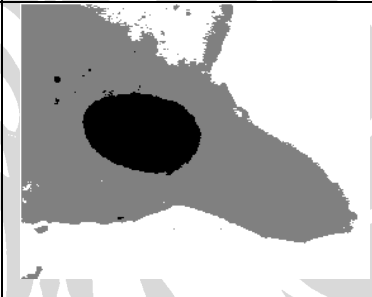
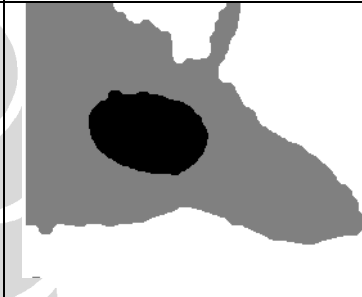
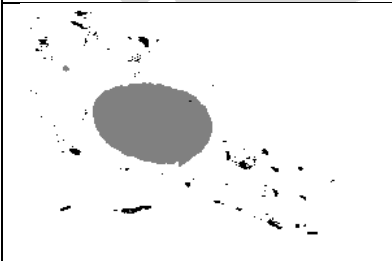
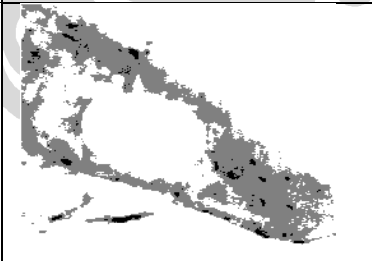
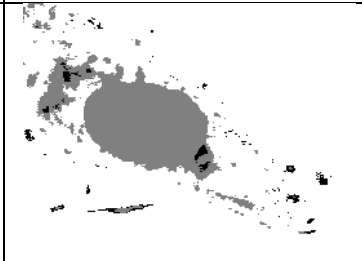
Tabel B.2 Contoh Hasil Segmentasi serta Perbaikan Mutu Kelas *Normal Intermediate*

		
Citra Acuan	Citra Hasil Segmentasi dengan Multifraktal	Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding
		
Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+Morphology	Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+MDC	Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+MDC+Morphology
		
Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-1)	Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-2)	Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-3)










Tabel B.3 Contoh Hasil Segmentasi serta Perbaikan Mutu Kelas *Normal Columnar*

		
Citra Acuan	Citra Hasil Segmentasi dengan Multifraktal	Citra Hasil Segmentasi dengan Multifraktal+ <i>Adaptive Multiple Thresholding</i>
		
Citra Hasil Segmentasi dengan Multifraktal+ <i>Adaptive Multiple Thresholding+Morphology</i>	Citra Hasil Segmentasi dengan Multifraktal+ <i>Adaptive Multiple Thresholding+MDC</i>	Citra Hasil Segmentasi dengan Multifraktal+ <i>Adaptive Multiple Thresholding+MDC+Morphology</i>
		
Citra Hasil Segmentasi dengan Multifraktal+ <i>Adaptive Multiple Thresholding+GA</i> (Percobaan ke-1)	Citra Hasil Segmentasi dengan Multifraktal+ <i>Adaptive Multiple Thresholding+GA</i> (Percobaan ke-2)	Citra Hasil Segmentasi dengan Multifraktal+ <i>Adaptive Multiple Thresholding+GA</i> (Percobaan ke-3)










Tabel B.4 Contoh Hasil Segmentasi serta Perbaikan Mutu Kelas *Light Dysplasia*

		
<b>Citra Acuan</b>	<b>Citra Hasil Segmentasi dengan Multifraktal</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding</b>
		
<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+Morphology</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+MDC</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+MDC+Morphology</b>
		
<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-1)</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-2)</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-3)</b>

Tabel B.5 Contoh Hasil Segmentasi serta Perbaikan Mutu Kelas *Moderate Dysplasia*










		
<b>Citra Acuan</b>	<b>Citra Hasil Segmentasi dengan Multifraktal</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding</b>
		
<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+Morphology</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+MDC</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+MDC+Morphology</b>
		
<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-1)</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-2)</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-3)</b>

Tabel B.6 Contoh Hasil Segmentasi serta Perbaikan Mutu Kelas *Severe Dysplasia*

		
<b>Citra Acuan</b>	<b>Citra Hasil Segmentasi dengan Multifraktal</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding</b>
		
<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+Morphology</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+MDC</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+MDC+Morphology</b>
		
<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-1)</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-2)</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-3)</b>



Tabel B.7 Contoh Hasil Segmentasi serta Perbaikan Mutu Kelas *Carcinoma in Situ*

		
<b>Citra Acuan</b>	<b>Citra Hasil Segmentasi dengan Multifraktal</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding</b>
		
<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+Morphology</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+MDC</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+ MDC+Morphology</b>
		
<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-1)</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-2)</b>	<b>Citra Hasil Segmentasi dengan Multifraktal+Adaptive Multiple Thresholding+GA (Percobaan ke-3)</b>

## Lampiran C

### Identitas Citra untuk Data Latih pada Proses Klasifikasi

Pada tahapan klasifikasi, ciri yang digunakan adalah berdasarkan nilai keabuan (*graylevel*) dari citra yang telah disegmentasi menggunakan Multifraktal dengan *Adaptive Multiple Thresholding* dan telah diperbaiki dengan menggunakan *Minimum Distance Classifier* dan *Morphology*. Nilai keabuan yang digunakan adalah 1 untuk latar belakang, 0,5 untuk sitoplasma dan 0 untuk nukleus.

Data yang digunakan sebagai data latih ada tiga macam, yaitu data latih yang terdiri dari 35, 70 dan 210 citra, masing-masing kelas diwakilkan berturut-turut sebanyak 5, 10 dan 30 citra. Identitas citra yang digunakan sebagai data latih tersebut tertera pada Tabel C.1, C.2 dan C.3.

**Tabel C.1 Identitas Citra untuk Data Latih pada Proses Klasifikasi Sebanyak 35 Data**

Kelas	No.	ID Citra
<i>Normal Superficial</i>	1	157184999-157185032-001.BMP
	2	157223779-157224126-001.BMP
	3	209047342-209047400-001.BMP
	4	157222737-157222750-001.BMP
	5	157185133-157185143-001.BMP
<i>Normal Intermediate</i>	1	157183332-157183388-002.BMP
	2	157183332-157183388-001.BMP
	3	209566205-209566266-001.BMP
	4	209565698-209565729-001.BMP
	5	209522641-209522674-001.BMP
<i>Normal Columnar</i>	1	157185781-157185793-003.BMP
	2	157185433-157185479-002.BMP
	3	157185433-157185508-001.BMP
	4	157224172-157224207-001.BMP
	5	157185433-157185508-002.BMP

**Tabel C.1 (lanjutan)**

<i>Light Dysplasia</i>	1	148719372-148719378-001.BMP
	2	204871030-204871038-002.BMP
	3	153268807-153268826-001.BMP
	4	153314466-153314473-001.BMP
	5	148882535-148882616-001.BMP
<i>Moderate Dysplasia</i>	1	149101620-149101650-003.BMP
	2	149315960-149315967-001.BMP
	3	153276386-153276414-001.BMP
	4	149105131-149105205-002.BMP
	5	149056933-149056982-002.BMP
<i>Severe Dysplasia</i>	1	153827595-153827611-002.BMP
	2	149098972-149098988-002.BMP
	3	149101894-149101930-001.BMP
	4	149143295-149143307-001.BMP
	5	149056410-149056444-005.BMP
<i>Carcinoma in Situ</i>	1	149143370-149143388-001.BMP
	2	149148124-149148181-004.BMP
	3	149357956-149358043-001.BMP
	4	149315671-149315740-004.BMP
	5	153831027-153831045-002.BMP

**Tabel C.2 Identitas Citra untuk Data Latih pada Proses Klasifikasi Sebanyak 70 Data**

Kelas	No.	ID Citra
<i>Normal Superficial</i>	1	157184999-157185032-001.BMP
	2	157223779-157224126-001.BMP
	3	209047342-209047400-001.BMP
	4	157222737-157222750-001.BMP
	5	157185133-157185143-001.BMP
	6	157224412-157224429-001.BMP
	7	157222904-157223196-001.BMP
	8	157224352-157224395-001.BMP
	9	157184850-157184891-001.BMP
	10	209048086-209048137-001.BMP
<i>Normal Intermediate</i>	1	157222647-157222660-001.BMP
	2	157183332-157183388-002.BMP
	3	157183332-157183388-001.BMP

Tabel C.2 (lanjutan)

	4	209566205-209566266-001.BMP
	5	157184067-157184080-001.BMP
	6	209565698-209565729-001.BMP
	7	209522641-209522674-001.BMP
	8	157222534-157222579-001.BMP
	9	209522474-209522554-001.BMP
	10	157222534-157223349-001.BMP
<i>Normal Columnar</i>	1	157185781-157185793-003.BMP
	2	157185527-157185540-004.BMP
	3	157185433-157185479-002.BMP
	4	157185433-157185508-001.BMP
	5	157224172-157224207-001.BMP
	6	157185433-157185479-005.BMP
	7	157224172-157224207-002.BMP
	8	157185433-157185508-002.BMP
	9	153958547-153958572-003.BMP
	10	153958154-153958194-001.BMP
<i>Light Dysplasia</i>	1	148881870-148881960-002.BMP
	2	148719372-148719378-001.BMP
	3	149054277-149054304-002.BMP
	4	148883900-148883907-001.BMP
	5	204871030-204871038-002.BMP
	6	153268807-153268826-001.BMP
	7	153314466-153314473-001.BMP
	8	148882535-148882616-001.BMP
	9	148499815-148500094-001.BMP
	10	149061666-149061726-001.BMP
<i>Moderate Dysplasia</i>	1	149140536-149140551-001.BMP
	2	149101437-149101456-001.BMP
	3	149316754-149316779-001.BMP
	4	149101620-149101650-003.BMP
	5	149315960-149315967-001.BMP
	6	149014929-149014984-001.BMP
	7	153276386-153276414-001.BMP
	8	149105131-149105205-002.BMP
	9	149097324-149097352-001.BMP
	10	149316941-149316961-002.BMP
<i>Severe Dysplasia</i>	1	153915634-153915665-003.BMP

Tabel C.2 (lanjutan)

	2	149056933-149056982-002.BMP
	3	153827595-153827611-002.BMP
	4	149098972-149098988-002.BMP
	5	149100006-149100028-001.BMP
	6	149101894-149101930-001.BMP
	7	149143295-149143307-001.BMP
	8	149056410-149056444-005.BMP
	9	149186957-149186968-001.BMP
	10	149105131-149105155-002.BMP
<i>Carcinoma in Situ</i>	1	153826597-153826619-001.BMP
	2	149146635-149146651-001.BMP
	3	153916114-153916167-002.BMP
	4	149181904-149181951-001.BMP
	5	149143370-149143388-001.BMP
	6	149147848-149147864-002.BMP
	7	149148124-149148181-004.BMP
	8	149357956-149358043-001.BMP
	9	149315671-149315740-004.BMP
	10	153831027-153831045-002.BMP

Tabel C.3 Identitas Citra untuk Data Latih pada Proses Klasifikasi Sebanyak 210 Data

Kelas	No.	ID Citra
<i>Normal Superficial</i>	1	157181671-157181697-001.BMP
	2	209047881-209048017-001.BMP
	3	157185208-157185238-001.BMP
	4	157223735-157223766-001.BMP
	5	209047526-209047717-001.BMP
	6	157185613-157185627-001.BMP
	7	209047342-209047443-001.BMP
	8	209048086-209048278-001.BMP
	9	157224172-157224179-001.BMP
	10	157268342-157268401-001.BMP
	11	157181671-157181686-001.BMP
	12	157222737-157222750-002.BMP
	13	157224297-157224320-002.BMP
	14	209047526-209047798-001.BMP

Tabel C.3 (lanjutan)

	15	157224297-157224304-002.BMP
	16	157184999-157185032-001.BMP
	17	157223779-157224126-001.BMP
	18	209047342-209047400-001.BMP
	19	157222737-157222750-001.BMP
	20	157185133-157185143-001.BMP
	21	157224412-157224429-001.BMP
	22	157222904-157223196-001.BMP
	23	157224352-157224395-001.BMP
	24	157184850-157184891-001.BMP
	25	209048086-209048137-001.BMP
	26	157183722-157183783-002.BMP
	27	157183193-157183279-001.BMP
	28	157224297-157224304-001.BMP
	29	209307421-209307597-001.BMP
	30	158987493-158987499-001.BMP
<i>Normal Intermediate</i>	1	157223549-157223570-001.BMP
	2	157223321-157223328-001.BMP
	3	209047526-209047762-001.BMP
	4	157222534-157222561-001.BMP
	5	157185677-157185690-001.BMP
	6	209522800-209522835-001.BMP
	7	209047526-209047626-001.BMP
	8	157223321-157223341-001.BMP
	9	157223394-157223406-002.BMP
	10	209307421-209307561-001.BMP
	11	157268504-157268534-001.BMP
	12	157222801-157222811-002.BMP
	13	153956279-153956296-001.BMP
	14	157223394-157223406-001.BMP
	15	209048086-209048239-001.BMP
	16	209522316-209522391-001.BMP
	17	157223394-157223428-002.BMP
	18	157222801-157222811-001.BMP
	19	157183828-157183877-001.BMP
	20	157222647-157222660-001.BMP
	21	157183332-157183388-002.BMP
	22	157183332-157183388-001.BMP
	23	209566205-209566266-001.BMP

Tabel C.3 (lanjutan)

	24	157184067-157184080-001.BMP
	25	209565698-209565729-001.BMP
	26	209522641-209522674-001.BMP
	27	157222534-157222579-001.BMP
	28	209522474-209522554-001.BMP
	29	157222534-157223349-001.BMP
	30	157184013-157184039-001.BMP
<i>Normal Columnar</i>	1	158986766-158986776-002.BMP
	2	153958154-153958248-003.BMP
	3	157267059-157267072-001.BMP
	4	153956444-153956458-002.BMP
	5	157185433-157185479-001.BMP
	6	153956040-153956058-001.BMP
	7	158986766-158986776-001.BMP
	8	153958154-153958179-001.BMP
	9	157267059-157267072-004.BMP
	10	153958154-153958168-003.BMP
	11	157184850-157184920-002.BMP
	12	153958154-153958194-004.BMP
	13	157185527-157185540-003.BMP
	14	157185781-157185793-003.BMP
	15	157185527-157185540-004.BMP
	16	157185433-157185479-002.BMP
	17	157185433-157185508-001.BMP
	18	157224172-157224207-001.BMP
	19	157185433-157185479-005.BMP
	20	157224172-157224207-002.BMP
	21	157185433-157185508-002.BMP
	22	153958547-153958572-003.BMP
	23	153958154-153958194-001.BMP
	24	158986813-158986820-001.BMP
	25	153956040-153956072-004.BMP
	26	157184850-157184920-001.BMP
	27	157185433-157185479-007.BMP
	28	153956040-153956058-003.BMP
	29	158986920-158986928-001.BMP
	30	158986813-158986820-002.BMP
<i>Light Dysplasia</i>	1	148839765-148839773-001.BMP
	2	153701139-153701148-001.BMP

Tabel C.3 (lanjutan)

	3	148718455-148718461-001.BMP
	4	149053945-149053983-001.BMP
	5	149054526-149054563-001.BMP
	6	148499383-148499452-002.BMP
	7	148495553-148495585-001.BMP
	8	148881675-148881704-001.BMP
	9	149014929-149015022-001.BMP
	10	148499383-148499452-001.BMP
	11	149317002-149317018-001.BMP
	12	148495885-148495896-001.BMP
	13	149014929-149015022-002.BMP
	14	153700207-153700215-001.BMP
	15	149316852-149316872-001.BMP
	16	148719308-148719348-004.BMP
	17	148497551-148497625-001.BMP
	18	148719308-148719348-002.BMP
	19	149100006-149100018-001.BMP
	20	148881870-148881960-002.BMP
	21	148719372-148719378-001.BMP
	22	149054277-149054304-002.BMP
	23	148883900-148883907-001.BMP
	24	204871030-204871038-002.BMP
	25	153268807-153268826-001.BMP
	26	153314466-153314473-001.BMP
	27	148882535-148882616-001.BMP
	28	148499815-148500094-001.BMP
	29	149061666-149061726-001.BMP
	30	148497788-148497816-002.BMP
<i>Moderate Dysplasia</i>	1	149014929-149015008-003.BMP
	2	149358108-149358125-001.BMP
	3	149099680-149099714-001.BMP
	4	149105131-149105205-004.BMP
	5	149143434-149143442-001.BMP
	6	153829700-153829711-001.BMP
	7	148848523-148848559-004.BMP
	8	149190861-149190868-001.BMP
	9	149060626-149060638-001.BMP
	10	149097594-149097661-001.BMP
	11	149061666-149061683-003.BMP



Tabel C.3 (lanjutan)

	12	149060626-149060638-002.BMP
	13	149105289-149105300-001.BMP
	14	149014631-149014646-003.BMP
	15	149101620-149101664-001.BMP
	16	149316754-149316762-002.BMP
	17	149140536-149140551-001.BMP
	18	149101437-149101456-001.BMP
	19	149316754-149316779-001.BMP
	20	149101620-149101650-003.BMP
	21	149315960-149315967-001.BMP
	22	149014929-149014984-001.BMP
	23	153276386-153276414-001.BMP
	24	149105131-149105205-002.BMP
	25	149097324-149097352-001.BMP
	26	149316941-149316961-002.BMP
	27	149100064-149100072-001.BMP
	28	149053945-149053969-001.BMP
	29	149061666-149061699-001.BMP
	30	149014631-149014646-001.BMP
<i>Severe Dysplasia</i>	1	153915432-153915441-002.BMP
	2	153915432-153915472-001.BMP
	3	149101894-149101909-003.BMP
	4	153831352-153831372-003.BMP
	5	153831352-153831372-001.BMP
	6	153915634-153915665-001.BMP
	7	153916114-153916129-002.BMP
	8	153915634-153915665-007.BMP
	9	153915726-153915774-001.BMP
	10	149101894-149101909-001.BMP
	11	149056410-149056423-002.BMP
	12	149056321-149056343-001.BMP
	13	149317002-149317010-001.BMP
	14	149058170-149058202-002.BMP
	15	153826963-153826989-002.BMP
	16	153827595-153827604-001.BMP
	17	153915634-153915665-003.BMP
	18	149056933-149056982-002.BMP
	19	153827595-153827611-002.BMP
	20	149098972-149098988-002.BMP

Tabel C.3 (lanjutan)

	21	149100006-149100028-001.BMP
	22	149101894-149101930-001.BMP
	23	149143295-149143307-001.BMP
	24	149056410-149056444-005.BMP
	25	149186957-149186968-001.BMP
	26	149105131-149105155-002.BMP
	27	149181806-149181819-001.BMP
	28	153315615-153315629-001.BMP
	29	149056785-149056797-004.BMP
	30	149056785-149056813-002.BMP
<i>Carcinoma in Situ</i>	1	149314453-149314465-001.BMP
	2	149143370-149143378-002.BMP
	3	149314453-149314507-002.BMP
	4	149317114-149317152-001.BMP
	5	149182125-149182135-002.BMP
	6	149147848-149147864-001.BMP
	7	149182550-149182571-001.BMP
	8	149314453-149314507-001.BMP
	9	153827595-153827664-001.BMP
	10	149182125-149182135-001.BMP
	11	149181904-149182017-001.BMP
	12	153831027-153831045-003.BMP
	13	149316117-149316131-002.BMP
	14	149314453-149314507-004.BMP
	15	153831471-153831486-001.BMP
	16	149146635-149146651-002.BMP
	17	149181904-149181927-001.BMP
	18	149182550-149182571-003.BMP
	19	153827595-153827657-002.BMP
	20	153826597-153826619-001.BMP
	21	149146635-149146651-001.BMP
	22	153916114-153916167-002.BMP
	23	149181904-149181951-001.BMP
	24	149143370-149143388-001.BMP
	25	149147848-149147864-002.BMP
	26	149148124-149148181-004.BMP
	27	149357956-149358043-001.BMP
	28	149315671-149315740-004.BMP
	29	153831027-153831045-002.BMP
	30	149317114-149317152-004.BMP

