


LAMPIRAN

Lampiran 1. Data Lokasi Survei Buah Kepel di Kotamadya Yogyakarta

HASIL SURVEI POHON KEPEL WILAYAH KOTAMADYA YOGYAKARTA				
NO	FOTO	LOKASI	Survey Pohon	Pengambilan Sampel
A3		Jl. Langenarjan Kidul No.11 Panembaham, Kec Kraton, Kabupaten Kota Yogyakarta, Daerah Istimewa Yogyakarta	15-Mar-19	4-Apr-19
		7°48'49.6"S 110°21'49.6"E		
		https://maps.app.goo.gl/48k5Z		
B5		Jl. Minggiran No.41 MJ, Suryodiningratan, Kec Mantrijeron , Kabupaten Kota Yogyakarta, Daerah Istimewa Yogyakarta 55141	14-Mar-19	29-Mar-19
		7°49'29.0"S 110°21'28.4"E		
		https://goo.gl/maps/wf9d6jvELP2		
C1		Jl. Kemetiran Kidul No.82 , Pringgokusuman, Gedong Tengen, Kota Yogyakarta, Daerah Istimewa Yogyakarta 55272	4-Apr-19	4-Apr-19
		7°47'35"S 110°21'27"E		
		https://maps.app.goo.gl/CLVoc		
D2		Jalan Wolter Monginsidi No.49, Bumijo, Jetis, Kota Yogyakarta, Daerah Istimewa Yogyakarta	14-Mar-19	30-Mar-19
		7°47'17.3"S 110°21'41.4"E		
		https://maps.app.goo.gl/z3Q6U		
D3		Jl. Bumijo Kulon, Jetis, Kota Yogyakarta, Daerah Istimewa Yogyakarta	14-Mar-18	30-Mar-19
		https://maps.app.goo.gl/HySWy		

E4		Museum Benteng Vredeburg, Jl. Margo Mulyo No.6, Ngupasan, Gondomanan, Kota Yogyakarta, Daerah Istimewa Yogyakarta 55122	19-Mar-19	30-Mar-19
7°48'4"S 110°22'1"E				
https://maps.app.goo.gl/niH7m				
E5		Museum Benteng Vredeburg, Jl. Margo Mulyo No.6, Ngupasan, Gondomanan, Kota Yogyakarta, Daerah Istimewa Yogyakarta 55122	19-Mar-19	30-Mar-19
7°48'4"S 110°22'1"E				
https://maps.app.goo.gl/niH7m				
G2		jalan Madumurti No. 26 Patangpuluhan, Kec Wirobrajan, Kota Yogyakarta, Daerah istimewa Yogyakarta	4-Apr-19	4-Apr-19
7°48'42.0"S 110°20'54.4"E				
https://maps.app.goo.gl/oM75V				
G3		Jl Gatutkaca 19, Kec Wirobrajan , Kabupaten Kota Yogyakarta, Daerah Istimewa Yogyakarta	12-Mar-19	26-Mar-19
7°48'11.2"S 110°20'58.1"E				
https://maps.app.goo.gl/rL6YE				
G4		Jl Kapten Tendean No.55, Wirobrajan, Kabupaten Kota Yogyakarta, Daerah Istimewa Yogyakarta 55252	12-Mar-19	26-Mar-19
7°48'12"S 110°20'58"E				
https://maps.app.goo.gl/faiDK				
H2		Dekat Ngampilan Kabupaten Kota Yogyakarta, Daerah Istimewa Yogyakarta	7-Apr-19	7-Apr-19
7°47'55.5"S 110°21'20.8"E				
https://maps.app.goo.gl/3amhe				
M3		Bolok UH 5 No 191 pandeyan, Kec Umbulharjo, Kota Yogyakarta, Daerah istimewa Yogyakarta	9-Mar-19	9-Mar-19
7°49'14.7"S 110°23'29.7"E				
https://goo.gl/maps/6QUwUzChd6v				

Lampiran 2. Keadaan iklim rata-rata di Daerah Istimewa Yogyakarta.

No	Bidang Urusan	Sub Elemen	Tahun					Satuan	Periode	Pengentri
			2015	2016	2017	2018	2019			
1	2	3	4	5	6	7	8	9	10	11
1	Data Vertikal Badan Pusat Statistik	Suhu	n/a	26,70	26,20	26,10	n/a		-	Badan Pusat Statistik
1.1	Data Vertikal Badan Pusat Statistik	Suhu Terendah	20,00	22,60	21,30	14,50	n/a	°C	-	Badan Pusat Statistik
1.2	Data Vertikal Badan Pusat Statistik	Suhu Tertinggi	33,30	33,00	31,90	35,10	n/a	°C	-	Badan Pusat Statistik
2	Data Vertikal Badan Pusat Statistik	Kelembaban Udara	n/a	87,10	85,20	78,00	n/a		-	Badan Pusat Statistik
2.1	Data Vertikal Badan Pusat Statistik	Kelembaban Udara Terendah	48,00	43,00	45,80	62,00	n/a	%	-	Badan Pusat Statistik
2.2	Data Vertikal Badan Pusat Statistik	Kelembaban Udara Tertinggi	97,00	100,00	97,10	96,00	n/a	%	-	Badan Pusat Statistik
3	Data Vertikal Badan Pusat Statistik	Curah Hujan	463,00	254,70	212,00	1.994,00	n/a		-	Badan Pusat Statistik
3.1	Data Vertikal Badan Pusat Statistik	Curah Hujan Terendah	0,00	94,50	0,00	n/a	n/a	mm3/bulan	-	Badan Pusat Statistik
3.2	Data Vertikal Badan Pusat Statistik	Curah Hujan Tertinggi	628,00	508,20	693,00	n/a	n/a	mm3/bulan	-	Badan Pusat Statistik

Lampiran 3. Karakter kualitatif yang diamati pada buah di Kotamadya Yogyakarta



Bentuk buah kepel *round*



Bentuk buah kepel *oval*



Buah kepel tidak simetri



Warna daging kuning

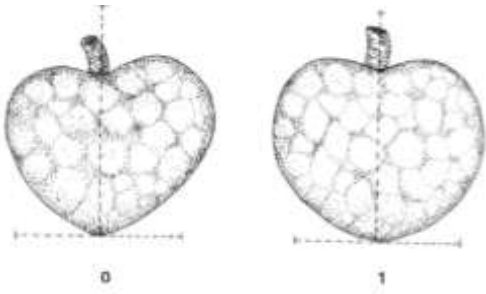

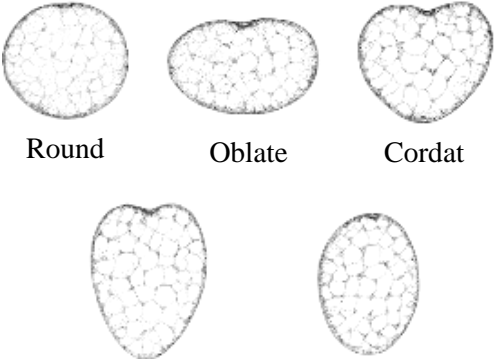


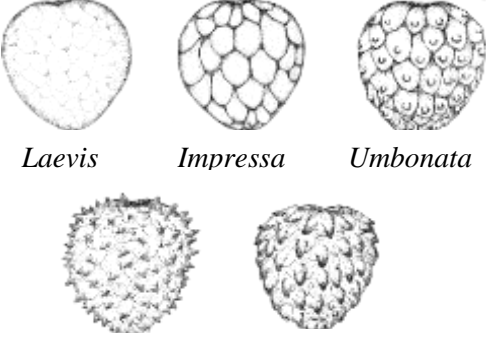



Warna daging kuning kunyit



Biji buah kepel

Lampiran 4. Perbandingan Cherimoya dengan buah kepel yang tersebar di Kotamadya Yogyakarta

Morfologi buah	Cherimoya	Kepel Kotamadya Yogyakarta
Simetri buah	 <p data-bbox="507 775 587 842">Tidak simetri</p> <p data-bbox="775 775 863 801">Simetri</p>	 <p data-bbox="1182 808 1270 875">Tidak simetri</p>
Bentuk buah	 <p data-bbox="459 1126 547 1153">Round</p> <p data-bbox="647 1126 735 1153">Oblate</p> <p data-bbox="823 1126 911 1153">Cordat</p> <p data-bbox="531 1361 635 1388">Broadly</p> <p data-bbox="775 1361 839 1388">Oval</p>	 <div data-bbox="1249 992 1473 1115" style="border: 1px solid black; padding: 5px;"> <p>Bentuk buah kepel <i>round</i></p> </div>  <div data-bbox="1249 1249 1473 1350" style="border: 1px solid black; padding: 5px;"> <p>Bentuk buah kepel <i>oval</i></p> </div>
Tipe kulit buah	 <p data-bbox="448 1671 536 1697"><i>Laevis</i></p> <p data-bbox="608 1671 711 1697"><i>Impressa</i></p> <p data-bbox="783 1671 903 1697"><i>Umbonata</i></p> <p data-bbox="480 1872 632 1899"><i>Tuberculata</i></p> <p data-bbox="679 1872 807 1899"><i>Mamillata</i></p>	 <p data-bbox="1190 1805 1310 1872">Tipe kulit <i>Laevis</i></p>

Lampiran 5. Panduan karakteristik *Cherimoya* (Bioversity International, 2008).



Descriptors for **Cherimoya** (*Annona cherimola* Mill.)



CHERLO 



CHARACTERIZATION

7. Plant descriptors

Preferably characterize (i) at two years after establishment in the field (sapling, only at tree, leaf and, if possible, flower level), (ii) at five years (adult plant, at plant, leaf, flower and, if possible, fruit level), and (iii) at eight years (fully mature plant, at full fructification stage). The use of the Royal Horticultural Society (RHS) Colour Chart codes is recommended, if available, for all colour descriptors. Observations should be recorded only on well developed trees that have not been pruned.

List of minimum highly discriminating descriptors for cherimoya

Number	Name
7.2.1	Leaf blade shape
7.2.4	Leaf length
7.2.5	Leaf width
7.3.6	Petal length
7.3.7	Petal width
7.4.6	Weight of ripe fruit
7.4.10	Exocarp type
7.4.11	Exocarp weight
7.4.16	Weight of all fresh seeds per fruit
7.4.17	Number of seeds
7.4.23	Contents of soluble solids in the pulp
7.4.24	Titrated acidity
7.5.5	Seed tenacity within its epithelium

7.3 Fruit

All observations should be recorded when fruit are fully ripened, unless otherwise specified. Measurements should be made on 10 well developed representative fruits at harvest time.

7.4.1 Location of fructification

- 1 Base of the crown
- 2 Middle of the crown
- 3 Top of the crown

7.4.2 Fruit shape

See Fig. 9.

- 1 Round
- 2 Oblate
- 3 Cordate
- 4 Broadly cordate
- 5 Oval

99 Other (specify in descriptor **7.6 Remarks**)

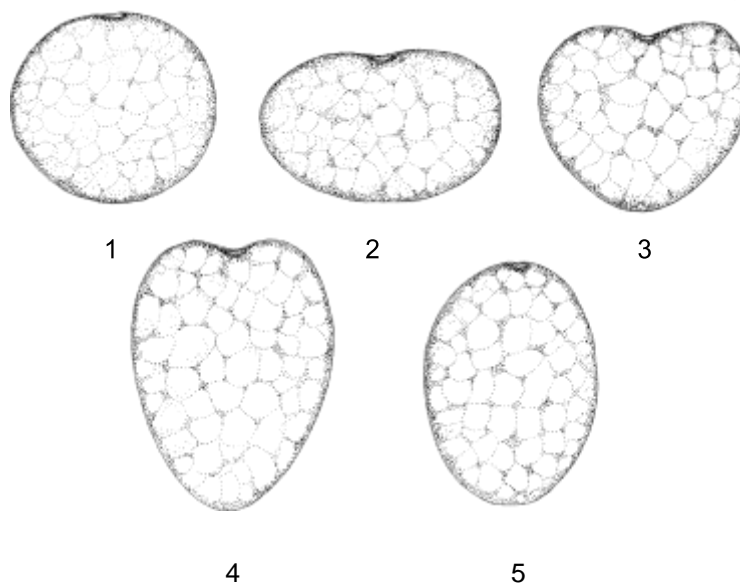


Fig. 9. Fruit shape

7.4.3 Fruit length [mm]

7.4.4 Fruit diameter [mm]

Measure at the broadest point of the fruit.

7.4.5 Uniformity in fruit size

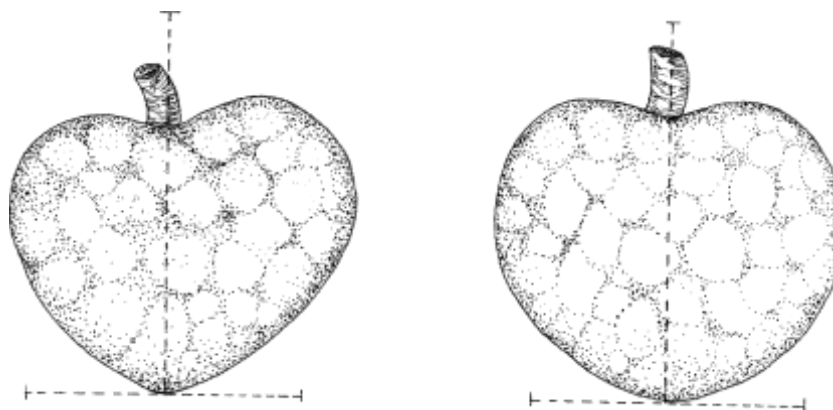
- 0 No
- 1 Yes

7.4.6 Weight of ripe fruit [g]

7.4.7 Fruit symmetry

See Fig. 10.

- 0 No
- 1 Yes



0

1

Fig. 10. Fruit symmetry

7.4.8 Peduncle length [mm]

7.4.9 Peduncle diameter [mm]

7.4.10 exocarp type

See Fig. 11 (Schroeder 1945).

- | | | |
|----|--------------------|--|
| 1 | <i>Laevis</i> | (smooth) |
| 2 | <i>Impressa</i> | (slight depressions) |
| 3 | <i>Umbonata</i> | (small protrusions) |
| 4 | <i>Tuberculata</i> | (medium protrusions) |
| 5 | <i>Mamillata</i> | (large protrusions) |
| 99 | Other type | (specify in descriptor 7.6
Remarks) |

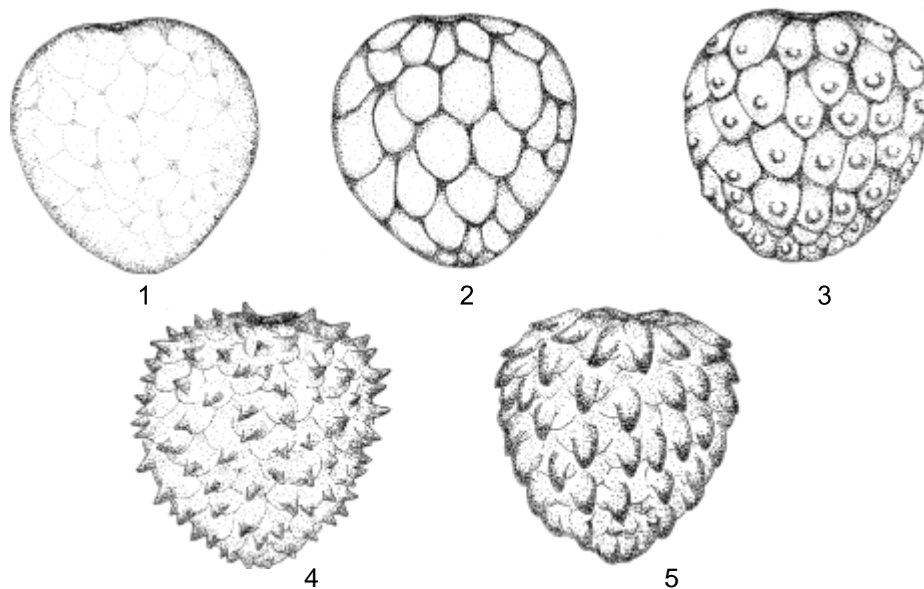


Fig. 11. Exocarp type

7.4.11 exocarp weight [g]

Peel weight of the fully ripened fruit.

7.4.12 exocarp colour

If possible, use colour codes from the Royal Horticultural Society. If these are not available, use the following colour codes:

- 1 Light green
- 2 Green

- 3 Dark green
- 4 Yellowish green
- 5 Yellow
- 6 Brownish green
- 7 Brown
- 99 Other (specify in descriptor **7.6 Remarks**)

7.4.13 thickness of the exocarp [mm]

7.4.14 Resistance to penetrometer [N/cm²]

Measure in fully ripened fruits, at four points of the equator and on the apex.

7.4.15 Resistance to abrasion

Record the resistance of fruit peel to abrasion, by thumb friction.

- 1 Mild
- 2 Moderate
- 3 Strong

7.4.16 Weight of all fresh seeds per fruit [g]

Measure at extraction from the fruit.

7.4.17 number of seeds

Number of seeds per fruit.

7.4.18 Pulp colour

If possible, use colour codes from the Royal Horticultural Society. If these are not available, use the following colour codes:

- 1 White
- 2 Cream
- 99 Other (specify in descriptor **7.6 Remarks**)

7.4.19 Pulp texture

- 1 Watery
- 2 Creamy
- 3 Granular
- 4 Hard
- 5 Hard areas in the pulp
- 99 Other (specify in descriptor **7.6 Remarks**)

7.4.20 Pulp fibre content

- 0 Absent
- 1 Low
- 2 High

7.4.21 Pulp taste

- 3 Bad
- 5 Average
- 7 Good

7.4.22 Pulp oxidation

Observe five minutes after cutting the fruit.

- 0 No oxidation
- 1 Poorly oxidized
- 2 Oxidized
- 3 Very oxidized

7.4.23 Contents of soluble solids in the pulp [° Brix]

Measure at full production and at the moment of consumption ripeness. Average of 10 healthy, representative fruits.

7.4.24 titrated acidity [meq / 100 g]

Measure at full production and at the time of consumption ripeness. Measured in milliequivalents/100 g pulp, titrated with NaOH, 0.1N and phenolphthalein.

7.5 Seed

Recorded on five healthy seeds per fruit in 10 healthy, representative fruits.

7.5.1 Weight of fresh seed [g]

Measure at extraction from the fruit.

7.5.2 seed coat colour

If possible, use colour codes from the Royal Horticultural Society. If these are not available, use the following colour codes:

- 1 Grey
- 2 Dark brown
- 3 Black
- 99 Other (specify in descriptor **7.6 Remarks**)

7.5.3 seed length [mm]

7.5.4 seed width [mm]

Recorded at the seed's widest point.

7.5.5 tenacity of the seed in its epithelium

- 1 Cloaked
- 2 Semi-cloaked
- 3 Loose