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# WARTA KERAJAAN PERSEKUTUAN

## *FEDERAL GOVERNMENT GAZETTE*

### PEMBERITAHUAN PERMOHONAN PENDAFTARAN VARIETI BARU TUMBUHAN DAN PEMBERIAN HAK PEMBAIAK BAKA

### *NOTIFICATION OF APPLICATION FOR REGISTRATION OF NEW PLANT VARIETY AND GRANT OF BREEDER'S RIGHT*



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*PUBLISHED BY*  
JABATAN PEGUAM NEGARA/  
*ATTORNEY GENERAL'S CHAMBERS*

AKTA PERLINDUNGAN VARIETI BARU TUMBUHAN 2004

PEMBERITAHUAN PERMOHONAN PENDAFTARAN VARIETI BARU TUMBUHAN  
DAN PEMBERIAN HAK PEMBIAK BAKA

PADA menjalankan kuasa yang diberikan oleh seksyen 22 Akta Perlindungan Varieti Baru Tumbuhan 2004 [*Akta 634*], Lembaga memberitahu bahawa suatu permohonan bagi pendaftaran varieti baru tumbuhan dan pemberian hak pembiak baka telah dibuat seperti yang dinyatakan dalam Jadual.

PROTECTION OF NEW PLANT VARIETIES ACT 2004

NOTIFICATION OF APPLICATION FOR REGISTRATION OF NEW PLANT VARIETY  
AND GRANT OF BREEDER'S RIGHT

IN exercise of the powers conferred by section 22 of the Protection of New Plant Varieties Act 2004 [*Act 634*], the Board notifies that an application for the registration of new plant variety and grant of breeder's right has been made as specified in the Schedule.

## JADUAL/SCHEDULE

Nama pemohon/*Name of applicant*: Institut Penyelidikan dan Kemajuan Pertanian Malaysia

Nama pengenalan varieti/*Variety denomination*: MR220 CL1

No. rujukan fail pemohon/*Applicant file reference no.*: PVBT 012/11

Tanaman/*Crops*: Padi/*Paddy*

Ciri-ciri varieti: Tertakluk kepada keadaan cuaca dan persekitaran, ciri-ciri yang didapati semasa pemeriksaan dijalankan ke atas varieti tersebut adalah seperti yang berikut:

*Characteristics of the variety: Subject to the weather and environmental conditions, the characteristics obtained during the examination on the variety are as follows:*

Bil./ No.	Ciri-Ciri Varieti/ <i>Characteristics of Variety</i>	Ciri-Ciri MR220 CL1/ <i>Characteristics of MR220 CL1</i>
1.	Daun pangkal: warna upih/ <i>Basal leaf: sheath colour</i>	Hijau/ <i>Green</i>
2.	Daun: keamatan warna hijau/ <i>Leaf: intensity of green colour</i>	Sederhana/ <i>Medium</i>
3.	Daun: pewarnaan antosianin/ <i>Leaf: anthocyanin colouration</i>	Tiada/ <i>Absent</i>
4.	Daun upih: pewarnaan antosianin/ <i>Leaf sheath: anthocyanin colouration</i>	Tiada/ <i>absent</i>
5.	Daun: pubesen permukaan/ <i>Leaf: pubescence of surface</i>	Lemah/ <i>Weak</i>
6.	Daun: pewarnaan antosianin aurikel/ <i>Leaf: anthocyanin colouration of the auricles</i>	Tiada/ <i>Absent</i>

Bil./ No.	Ciri-Ciri Varieti/ <i>Characteristics of Variety</i>	Ciri-Ciri MR220 CL1/ <i>Characteristics of MR220 CL1</i>
7.	Daun: pewarnaan antosianin kolar/ <i>Leaf: anthocyanin colouration of the collar</i>	Tiada/ <i>Absent</i>
8.	Daun: bentuk ligul/ <i>Leaf: shape of the ligule</i>	Lekuk/ <i>Cleft</i>
9.	Daun: warna ligul/ <i>Leaf: colour of the ligule</i>	Tanpa warna/ <i>Colourless</i>
10.	Daun: panjang ligul/ <i>Leaf: length of the ligule</i>	Sederhana (23.6 mm)/ <i>Medium (23.6 mm)</i>
11.	Daun: panjang/ <i>Leaf: length</i>	Sederhana (45.1 sm)/ <i>Medium (45.1 cm)</i>
12.	Daun: lebar/ <i>Leaf: width</i>	Sederhana ke lebar (12.2 mm)/ <i>Medium to broad (12.2 mm)</i>
13.	Daun pengasuh: sifat lai (pemerhatian awal)/ <i>Flag leaf: attitude of the blade (early observation)</i>	Tegak/ <i>Erect</i>
14.	Daun pengasuh: sifat lai (pemerhatian lewat)/ <i>Flag leaf: attitude of the blade (late observation)</i>	Separa tegak/ <i>Semi-erect</i>
15.	Kulma: tabiat/ <i>Culm: habit</i>	Separa tegak/ <i>Semi-erect</i>
16.	Masa berbunga (50% tumbuhan yang mempunyai bunga)/ <i>Time of heading (50% of plants with heads)</i>	Amat awal (59 hari)/ <i>Very early (59 days)</i>
17.	Lema: pewarnaan antosianin lunas (pemerhatian awal)/ <i>Lemma: anthocyanin colouration of the keel (early observation)</i>	Tiada atau amat lemah/ <i>Absent or very weak</i>
18.	Lema: pewarnaan antosianin kawasan di bawah apeks (pemerhatian awal)/ <i>Lemma: anthocyanin colouration of area below the apex (early observation)</i>	Tiada atau amat lemah/ <i>Absent or very weak</i>
19.	Lema: pewarnaan antosianin apeks (pemerhatian awal)/ <i>Lemma: anthocyanin colouration of the apex (early observation)</i>	Tiada atau amat lemah/ <i>Absent or very weak</i>

Bil./ No.	Ciri-Ciri Varieti/ <i>Characteristics of Variety</i>	Ciri-Ciri MR220 CL1/ <i>Characteristics of MR220 CL1</i>
20.	Spikelet: warna stigma/ <i>Spikelet: colour of the stigma</i>	Kuning/ <i>Yellow</i>
21.	Batang: ketebalan/ <i>Stem: thickness</i>	Sederhana ke tebal (7.66 mm)/ <i>Medium to thick (7.66 mm)</i>
22.	Varieti tidak melata sahaja: Batang: panjang (tidak termasuk bulir)/ <i>Non-prostrate varieties only: Stem: length (excluding panicle)</i>	Pendek ke sederhana (67.7 sm)/ <i>Short to medium (67.7 cm)</i>
23.	Batang: pewarnaan antosianin buku/ <i>Stem: anthocyanin colouration of the nodes</i>	Tiada/ <i>Absent</i>
24.	Batang: pewarnaan antosianin ruas/ <i>Stem: anthocyanin colouration of the internodes</i>	Tiada/ <i>Absent</i>
25.	Bulir: panjang paksi utama/ <i>Panicle: length of the main axis</i>	Sederhana ke panjang (27.2 sm)/ <i>Medium to long (27.2 cm)</i>
26.	Bulir: bilangan bagi setiap rumpun/ <i>Panicle: number per hill</i>	Sedikit ke sederhana (13 bulir)/ <i>Few to medium (13 panicles)</i>
27.	Bulir: jejanggut/ <i>Panicle: awns</i>	Ada/ <i>Present</i>
28.	Bulir: warna jejanggut (pemerhatian awal)/ <i>Panicle: colour of the awns (early observation)</i>	Emas muda/ <i>Light gold</i>
29.	Bulir: taburan jejanggut/ <i>Panicle: distribution of the awns</i>	Hujung sahaja/ <i>Tip only</i>
30.	Spikelet: pubesen lema/ <i>Spikelet: pubescence of the lemma</i>	Sederhana/ <i>Medium</i>
31.	Spikelet: warna hujung lema/ <i>Spikelet: colour of tip of the lemma</i>	Perang/ <i>Brown</i>
32.	Bulir: sifat berhubung dengan batang/ <i>Panicle: attitude in relation to the stem</i>	Separa tegak/ <i>Semi-upright</i>

Bil./ No.	Ciri-Ciri Varieti/ <i>Characteristics of Variety</i>	Ciri-Ciri MR220 CL1/ <i>Characteristics of MR220 CL1</i>
33.	Bulir: kehadiran dahan sekunder/ <i>Panicle: presence of secondary branch</i>	Ada/ <i>Present</i>
34.	Bulir: jenis dahan sekunder/ <i>Panicle: type of secondary branch</i>	Jenis 2/ <i>Type 2</i>
35.	Bulir: sifat dahan/ <i>Panicle: attitude of the branch</i>	Separa tegak/ <i>Semi-erect</i>
36.	Bulir: tolakan/ <i>Panicle: exertion</i>	Tertolak ke separa tertolak [(-)15.33 mm]/ <i>Exclosed to partly expeted [(-)15.33 mm]</i>
37.	Masa kematangan/ <i>Time of maturity</i>	Awal (94 hari)/ <i>Early (94 days)</i>
38.	Daun: masa senesen/ <i>Leaf: time of senescence</i>	Pertengahan/ <i>Intermediate</i>
39.	Lema: warna/ <i>Lemma: colour</i>	Emas muda/ <i>Light gold</i>
40.	Lema: hiasan/ <i>Lemma: ornamentation</i>	Tiada/ <i>Absent</i>
41.	Lema: pewarnaan antosianin lunas (pemerhatian lewat)/ <i>Lemma: anthocyanin colouration of the keel (late observation)</i>	Tiada atau amat lemah/ <i>Absent or very weak</i>
42.	Lema: pewarnaan antosianin kawasan di bawah apeks (pemerhatian lewat)/ <i>Lemma: anthocyanin colouration of area below the apex (late observation)</i>	Tiada atau amat lemah/ <i>Absent or very weak</i>
43.	Lema: pewarnaan antosianin apeks (pemerhatian lewat)/ <i>Lemma: anthocyanin colouration of the apex (late observation)</i>	Tiada atau amat lemah/ <i>Absent or very weak</i>
44.	Glum: warna/ <i>Glume: colour</i>	Jerami/ <i>Straw</i>
45.	Biji: berat 1000 biji terbentuk sepenuhnya/ <i>Grain: weight of 1000 fully developed grains</i>	Sederhana ke tinggi (25.46 g)/ <i>Medium to high (25.46 g)</i>

Bil./ No.	Ciri-Ciri Varieti/ <i>Characteristics of Variety</i>	Ciri-Ciri MR220 CL1/ <i>Characteristics of MR220 CL1</i>
46.	Biji: panjang/ <i>Grain: length</i>	Panjang ke sangat panjang (10.20 mm)/ <i>Long to very long (10.20 mm)</i>
47.	Biji: lebar/ <i>Grain: width</i>	Sempit ke sederhana (2.30 mm)/ <i>Narrow to medium (2.30 mm)</i>
48.	Biji ternyah korteks: panjang/ <i>Decorticated grain: length</i>	Panjang ke sangat panjang (8.0 mm)/ <i>Long to very long (8.0 mm)</i>
49.	Biji ternyah korteks: lebar/ <i>Decorticated grain: width</i>	Sempit ke sederhana (2.0 mm)/ <i>Narrow to medium (2.0 mm)</i>
50.	Biji ternyah korteks: bentuk (dari pandangan lateral)/ <i>Decorticated grain: shape (in lateral view)</i>	Bentuk gelendong panjang/ <i>Long spindle-shaped</i>
51.	Biji ternyah korteks: warna/ <i>Decorticated grain: colour</i>	Putih/ <i>White</i>
52.	Endosperma: jenis/ <i>Endosperm: type</i>	Tidak berglutin/ <i>Non-glutinous</i>
53.	Endosperma: kandungan amilosa/ <i>Endosperm: content of amylose</i>	Keadaan 4 (18.4%)/ <i>State 4 (18.4%)</i>
54.	Pencernaan alkali/ <i>Alkali digestion</i>	Tercerna sedikit ke perantaraan/ <i>Low digested to intermediate</i>
55.	Biji ternyah korteks: aroma/ <i>Decorticated grain: aroma</i>	Tiada atau amat lemah/ <i>Absent or very weak</i>

Bertarikh 10 Julai 2015

Dated 10 July 2015

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