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WARTA KERAJAAN PERSEKUTUAN

*FEDERAL GOVERNMENT  
GAZETTE*

PEMBERITAHUAN PERMOHONAN PENDAFTARAN  
VARIETI BARU TUMBUHAN DAN PEMBERIAN HAK  
PEMBAK BAKA

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



DISIARKAN OLEH/  
*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 dengan ini 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 hereby 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*: (i) Universiti Kebangsaan Malaysia  
(ii) Institut Penyelidikan dan Kemajuan Pertanian Malaysia

Nama pengenalan varieti/*Variety denomination*: UKMRC-4

No. rujukan fail pemohon/*Applicant file reference no.*: PVB T 034/09

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 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 UKMRC-4/ <i>Characteristics of UKMRC-4</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: pubesens pada permukaan/ <i>Leaf: pubescence of the surface</i>	Sederhana/ <i>Medium</i>

6.	Daun: pewarnaan antosianin di aurikel/ <i>Leaf: anthocyanin colouration of the auricles</i>	Tiada/ <i>Absent</i>
7.	Daun: pewarnaan antosianin di 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>	Tidak berwarna/ <i>Colourless</i>
10.	Daun: panjang/ <i>Leaf: length</i>	Sederhana ke panjang (50.13 sm)/ <i>Medium to long (50.13cm)</i>
11.	Daun: lebar/ <i>Leaf: width</i>	Sempit ke sederhana (13.30 mm)/ <i>Narrow to medium (13.30mm)</i>
12.	Daun bulir: sifat lai (pemerhatian awal)/ <i>Flag leaf: attitude of the blade (early observation)</i>	Tegak/ <i>Erect</i>
13.	Daun bulir: sifat lai (pemerhatian lewat)/ <i>Flag leaf: attitude of the blade (late observation)</i>	Tegak/ <i>Erect</i>
14.	Kulma: tabiat/ <i>Culm: habit</i>	Tegak/ <i>Erect</i>
15.	Masa berbunga (50% tumbuhan mempunyai bunga)/ <i>Time of heading (50% of plants with heads)</i>	Awal (69 hari)/ <i>Early (69 days)</i>
16.	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>
17.	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>
18.	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>
19.	Spikelet: warna stigma/ <i>Spikelet: colour of the stigma</i>	Putih/ <i>White</i>

20.	Batang: ketebalan/ <i>Stem: thickness</i>	Sederhana ke tebal (6.98 mm)/ <i>Medium to thick (6.98 mm)</i>
21.	Batang: pewarnaan antosianin buku/ <i>Stem: anthocyanin colouration of the nodes</i>	Tiada/ <i>Absent</i>
22.	Batang: pewarnaan antosianin ruas/ <i>Stem: anthocyanin colouration of the internodes</i>	Tiada/ <i>Absent</i>
23.	Bulir: panjang paksi utama/ <i>Panicle: length of the main axis</i>	Sederhana ke panjang (26.82 sm)/ <i>Medium to long (26.82 cm)</i>
24.	Bulir: jejanggut/ <i>Panicle: awns</i>	Tiada/ <i>Absent</i>
25.	Spikelet: pubesens lema/ <i>Spikelet: pubescence of the lemma</i>	Sederhana/ <i>Medium</i>
26.	Spikelet: warna hujung lema/ <i>Spikelet: colour of tip of the lemma</i>	Kuning/ <i>Yellow</i>
27.	Bulir: sifat berhubung dengan batang/ <i>Panicle: attitude in relation to the stem</i>	Sedikit terlentok/ <i>Slightly drooping</i>
28.	Bulir: kehadiran dahan sekunder/ <i>Panicle: presence of secondary branch</i>	Ada/ <i>Present</i>
29.	Bulir: jenis dahan sekunder/ <i>Panicle: type of secondary branchi</i>	Jenis 2/ <i>Type 2</i>
30.	Bulir: sifat dahan/ <i>Panicle: attitude of the branch</i>	Separa tegak/ <i>Semi-erect</i>
31.	Masa kematangan/ <i>Time of maturity</i>	Awal ke pertengahan (108 hari)/ <i>Early to intermediate (108 days)</i>
32.	Daun: masa kesenesenan/ <i>Leaf: time of senescence</i>	Pertengahan/ <i>Intermediate</i>
33.	Lema: warna/ <i>Lemma: colour</i>	Emas muda/ <i>Light gold</i>

34.	Lema: hiasan/ <i>Lemma: ornamentation</i>	Tiada/ <i>Absent</i>
35.	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>
36.	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>
37.	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>
38.	Glum: warna/ <i>Glume: colour</i>	Jerami/ <i>Straw</i>
39.	Biji: berat 1000 biji terbentuk sepenuhnya/ <i>Grain: weight of 1000 fully developed grains</i>	Sederhana (27.05 gm)/ <i>Medium (27.05 gm)</i>
40.	Biji: panjang/ <i>Grain: length</i>	Sangat panjang (10.31 mm)/ <i>Very long (10.31 mm)</i>
41.	Biji: lebar/ <i>Grain: width</i>	Sempit ke sederhana (2.31 mm)/ <i>Narrow to medium (2.31 mm)</i>
42.	Biji terdekorteks: panjang/ <i>Decorticated grain: length</i>	Panjang ke sangat panjang (7.57 mm)/ <i>Long to very long (7.57 mm)</i>
43.	Biji terdekorteks: lebar/ <i>Decorticated grain: width</i>	Sempit ke sederhana (2.01 mm)/ <i>Narrow to medium (2.01 mm)</i>
44.	Biji terdekorteks: bentuk (dari pandangan lateral)/ <i>Decorticated grain: shape (in lateral view)</i>	Bentuk gelendong panjang/ <i>Long spindle-shaped</i>
45.	Bentuk gelendong dan bentuk gelendong panjang sahaja: Biji terdekorteks: nisbah panjang/pendek/ <i>For spindle-shaped and long spindle-shaped grain only: Decorticated grain: ratio length/width</i>	Tinggi ke sangat tinggi (1:3.77)/  <i>High to very high (1:3.77)</i>
46.	Biji terdekorteks: warna/ <i>Decorticated grain: colour</i>	Putih/ <i>White</i>

47.	Endosperma: jenis/ <i>Endosperm: type</i>	Tak likat/ <i>Non-glutinous</i>
48.	Endosperma: kandungan amilosa/ <i>Endosperm: content of amylose</i>	Keadaan 5(25.75%)/ <i>State 5(25.75%)</i>
49.	Pencernaan alkali/ <i>Alkali digestion</i>	Tidak tercerna/ <i>Not digested</i>
50.	Biji terdekorteks: aroma/ <i>Decorticated grain: aroma</i>	Tiada atau amat lemah/ <i>Absent or very weak</i>

Bertarikh 4 Oktober 2013

*Dated 4 October 2013*

[KP/LA/483/18 JLD. 4; PN(PU2)667/III]

DATO' MUSTAFA KAMAL BIN BAHARUDDIN  
*Pengerusi Lembaga Varieti Tumbuhan/  
Chairman of the Plant Varieties Board*