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WARTA KERAJAAN PERSEKUTUAN

*FEDERAL GOVERNMENT  
GAZETTE*

PEMBERITAHUAN PERMOHONAN PENDAFTARAN  
VARIETI BARU TUMBUHAN DAN PEMBERIAN  
HAK PEMBIAK 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 memberitahu bahawa suatu permohonan telah dibuat bagi pendaftaran varieti baru tumbuhan dan pemberian hak pembiak baka sebagaimana 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 has been made for the registration of a new plant variety and grant of a breeder's right as specified in the Schedule.

## JADUAL/SCHEDULE

Nama pemohon/*Name of applicant*: Agensi Nuklear Malaysia/*Malaysian Nuclear Agency*

Nama pengenalan varieti/*Variety denomination*: NMR151

No. rujukan fail pemohon/*Applicant file reference no.*: PVBT 026/15

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 NMR151/ <i>Characteristics of NMR151</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 ke gelap/ <i>Medium to dark</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 pada permukaan/ <i>Leaf blade: pubescence of surface</i>	Sangat lemah/ <i>Very weak</i>

Bil./ No.	Ciri-ciri Varieti/ <i>Characteristics of Variety</i>	Ciri-ciri NMR151/ <i>Characteristics of NMR151</i>
6.	Daun: aurikel/ <i>Leaf: auricle</i>	Ada/ <i>Present</i>
7.	Daun: pewarnaan antosianin aurikel/ <i>Leaf: anthocyanin colouration of auricles</i>	Tiada/ <i>Absent</i>
8.	Daun: kolar/ <i>Leaf: collar</i>	Ada/ <i>Present</i>
9.	Daun: pewarnaan antosianin kolar/ <i>Leaf: anthocyanin colouration of collar</i>	Tiada/ <i>Absent</i>
10.	Daun: ligul/ <i>Leaf: ligule</i>	Ada/ <i>Present</i>
11.	Daun: bentuk ligul/ <i>Leaf: shape of ligule</i>	Lekuk/ <i>Cleft</i>
12.	Daun: warna ligul/ <i>Leaf: colour of ligule</i>	Tanpa warna/ <i>Colourless</i>
13.	Daun: panjang ligul/ <i>Leaf: length of ligule</i>	Sederhana ke panjang/ <i>Medium to long</i>
14.	Lai daun: panjang/ <i>Leaf blade: length</i>	Sederhana ke panjang/ <i>Medium to long</i>
15.	Lai daun: lebar/ <i>Leaf blade: width</i>	Sederhana/ <i>Medium</i>
16.	Daun bulir: sifat lai (pemerhatian awal)/ <i>Flag leaf: nature of blade (early observation)</i>	Tegak/ <i>Upwards</i>
17.	Daun bulir: sifat lai (pemerhatian lewat)/ <i>Flag leaf: nature of blade (late observation)</i>	Tegak/ <i>Upwards</i>
18.	Kulma: tabiat/ <i>Culm: habit</i>	Separa tegak / <i>Semi-upwards</i>

Bil./ No.	Ciri-ciri Varieti/ <i>Characteristics of Variety</i>	Ciri-ciri NMR151/ <i>Characteristics of NMR151</i>
19.	Masa berbunga (50% tumbuhan mempunyai bunga)/ <i>Time of heading (50% of plants with heads)</i>	Sangat awal ke awal/ <i>Very early to early</i>
20.	Lema: pewarnaan antosianin lunas (pemerhatian awal)/ <i>Lemma: anthocyanin colouration of keel (early observation)</i>	Tiada atau sangat lemah/ <i>Absent or very weak</i>
21.	Lema: pewarnaan antosianin kawasan di bawah apeks (pemerhatian awal)/ <i>Lemma: anthocyanin colouration of area below apex (early observation)</i>	Tiada atau sangat lemah/ <i>Absent or very weak</i>
22.	Lema: pewarnaan antosianin apeks (pemerhatian awal)/ <i>Lemma: anthocyanin colouration of apex (early observation)</i>	Tiada atau sangat lemah/ <i>Absent or very weak</i>
23.	Spikelet: warna stigma/ <i>Spikelet: colour of stigma</i>	Putih/ <i>White</i>
24.	Batang: ketebalan/ <i>Stem: thickness</i>	Sederhana ke tebal/ <i>Medium to thick</i>
25.	Varieti tidak melata sahaja: Batang: panjang (tidak termasuk bulir)/ <i>Non-prostate varieties only: Stem: length (excluding panicle)</i>	Sederhana ke panjang/ <i>Medium to long</i>
26.	Batang: pewarnaan antosianin buku/ <i>Stem: anthocyanin colouration of nodes</i>	Tiada/ <i>Absent</i>
27.	Batang: pewarnaan antosianin ruas/ <i>Stem: anthocyanin colouration of internodes</i>	Tiada/ <i>Absent</i>
28.	Bulir: panjang paksi utama/ <i>Panicle: length of main axis</i>	Panjang/ <i>Long</i>
29.	Bulir: bilangan bagi setiap rumpun/ <i>Panicle: number per plant</i>	Sedikit ke sederhana/ <i>Few to medium</i>
30.	Bulir: jejanggut/ <i>Panicle: awns</i>	Tiada/ <i>Absent</i>
31.	Spikelet: pubesen pada lema/ <i>Spikelet: pubescence of lemma</i>	Sederhana/ <i>Medium</i>

Bil./ No.	Ciri-ciri Varieti/ <i>Characteristics of Variety</i>	Ciri-ciri NMR151/ <i>Characteristics of NMR151</i>
32.	Spikelet: warna hujung lema/ <i>Spikelet: colour of tip of lemma</i>	Putih/ <i>White</i>
33.	Bulir: sifat berhubung dengan batang/ <i>Panicle: nature in relation to stem</i>	Sedikit terlentok/ <i>Slightly drooping</i>
34.	Bulir: kehadiran dahan sekunder/ <i>Panicle: presence of secondary branching</i>	Ada/ <i>Present</i>
35.	Bulir: jenis dahan sekunder/ <i>Panicle: type of secondary branching</i>	Jenis 2/ <i>Type 2</i>
36.	Bulir: sifat dahan/ <i>Panicle: nature of branches</i>	Separa tegak/ <i>Semi-upwards</i>
37.	Bulir: tolakan/ <i>Panicle: exertion</i>	Tertolak sepenuhnya/ <i>Well exerted</i>
38.	Masa kematangan/ <i>Time of maturity</i>	Pertengahan/ <i>Intermediate</i>
39.	Daun: masa senesen/ <i>Leaf: time of senescence</i>	Pertengahan/ <i>Intermediate</i>
40.	Lema: warna/ <i>Lemma: colour</i>	Emas muda/ <i>Light gold</i>
41.	Lema: hiasan/ <i>Lemma: ornamentation</i>	Tiada/ <i>Absent</i>
42.	Lema: pewarnaan antosianin lunas (pemerhatian lewat)/ <i>Lemma: anthocyanin colouration of keel (late observation)</i>	Tiada atau sangat lemah/ <i>Absent or very weak</i>
43.	Lema: pewarnaan antosianin kawasan di bawah apeks (pemerhatian lewat)/ <i>Lemma: anthocyanin colouration of area below apex (late observation)</i>	Tiada atau sangat lemah/ <i>Absent or very weak</i>
44.	Lema: pewarnaan antosianin apeks (pemerhatian lewat)/ <i>Lemma: anthocyanin colouration of apex (late observation)</i>	Tiada atau sangat lemah/ <i>Absent or very weak</i>

Bil./ No.	Ciri-ciri Varieti/ <i>Characteristics of Variety</i>	Ciri-ciri NMR151/ <i>Characteristics of NMR151</i>
45.	Glum: warna/ <i>Glume: colour</i>	Jerami/ <i>Straw</i>
46.	Biji: berat 1000 biji terbentuk sepenuhnya/ <i>Grain: weight of 1000 fully developed grains</i>	Sederhana ke tinggi/ <i>Medium to high</i>
47.	Biji: panjang/ <i>Grain: length</i>	Panjang ke sangat panjang/ <i>Long to very long</i>
48.	Biji: lebar/ <i>Grain: width</i>	Sederhana/ <i>Medium</i>
49.	Lema: reaksi phenol/ <i>Lemma: phenol reaction</i>	Tiada/ <i>Absent</i>
50.	Biji ternyah korteks: panjang/ <i>Decorticated grain: length</i>	Panjang/ <i>Long</i>
51.	Biji ternyah korteks: lebar/ <i>Decorticated grain: width</i>	Sederhana/ <i>Medium</i>
52.	Biji ternyah korteks: bentuk (dari pandangan lateral)/ <i>Decorticated grain: shape (in lateral view)</i>	Bentuk gelendong panjang/ <i>Long spindle-shaped</i>
53.	Biji ternyah korteks: warna/ <i>Decorticated grain: colour</i>	Putih/ <i>White</i>

Bertarikh 4 November 2019

*Dated 4 November 2019*

[KP/LA/483/18/1 Jld. 2; PN(PU2)667/XIII]

MOHD NASIR BIN WARRIS

*Pengerusi Lembaga Varieti Tumbuhan/  
Chairman of the Plant Varieties Board*