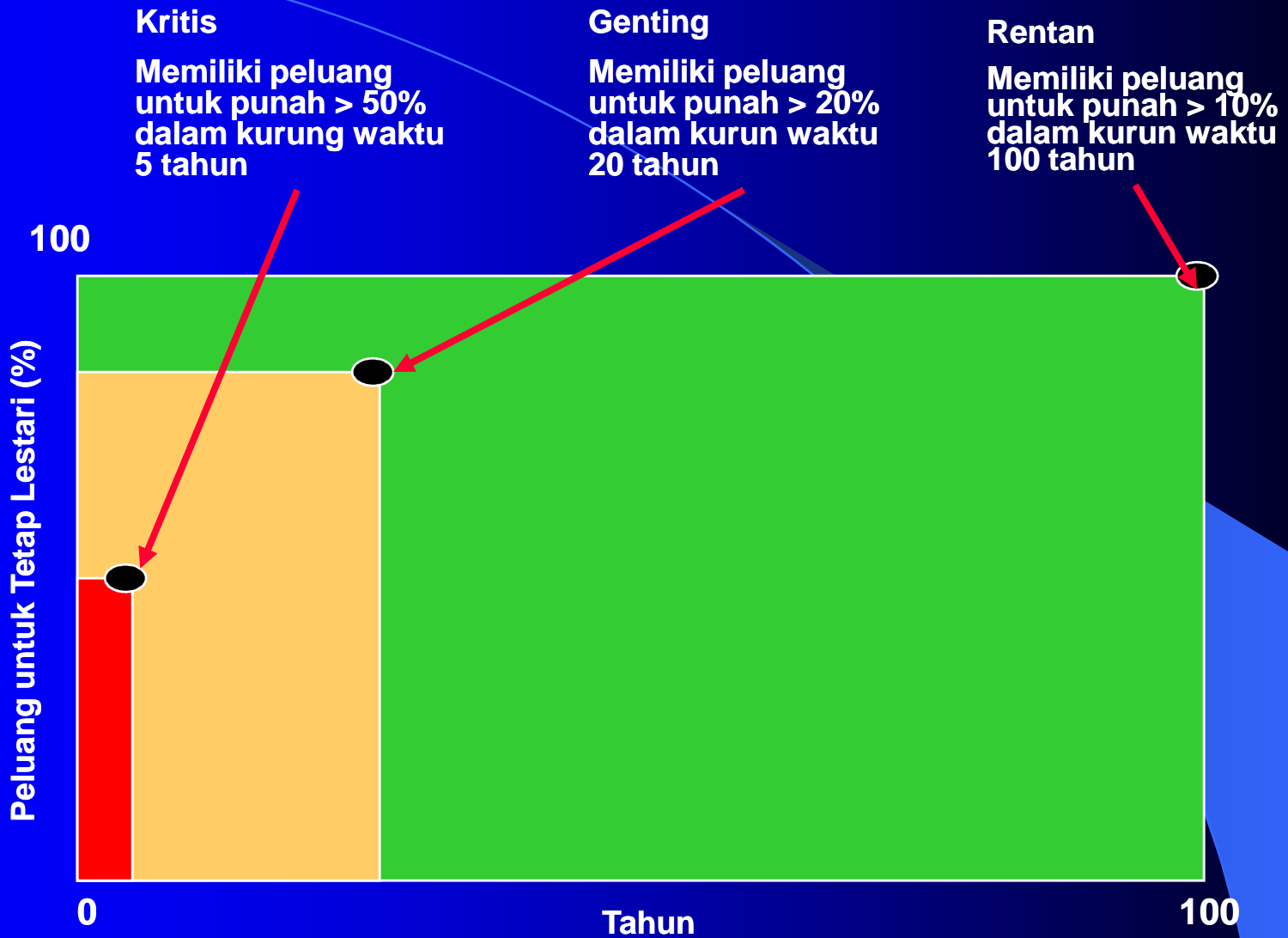


SPECIES CRITERIA

**ANI MARDIASTUTI
DEPARTMENT OF FOREST CONSERVATION
FACULTY OF FORESTRY
BOGOR AGRICULTURAL UNIVERSITY**





Kritis
Memiliki peluang untuk punah > 50% dalam kurun waktu 5 tahun

Gending
Memiliki peluang untuk punah > 20% dalam kurun waktu 20 tahun

Rentan
Memiliki peluang untuk punah > 10% dalam kurun waktu 100 tahun

Besarnya Peluang Suatu Jenis Untuk Punah Berdasarkan Kategori Ancaman Menurut IUCN

Hubungan Antara Kriteria Dengan Kategori Terancam Punah

A: Penurunan tajam

B: Daerah sebaran yang sempit + terbagi-bagi, luasnya menurun atau berfluktuasi

C: Populasi kecil + Ketentuan menurun yang berbeda

D1: Populasi yang sangat kecil

E: Kemungkinan Punah

D2: Daerah sebaran sangat kecil

Kritis

Genting

Rentan



Definisi Usulan Kriteria IUCN (Mace & Stuart 1994)

1. Punah (*Extinct*): jika tak ada keraguan lagi bahwa individu terakhir elah mati.
2. Punah di Alam (*Extinct in The Wild*): jika dengan pasti diketahui bahwa takson tersebut hanya hidup di penangkaran, atau hidup di alam sebagai hasil pelepasan kembali di luar daerah sebaran aslinya.
3. Kritis (*Critically Endangered*): jika taxon tersebut menghadapi resiko kepunahan sangat tinggi di alam
4. Genting (*Endangered*): jika axon tersebut menghadapi resiko kepunahan sangat tinggi di alam dalam waktu dekat.
5. Rentan (*Vulnerable*): jika taxon tersebut tidak termasuk kategori kritis atau genting tetapi menghadapi resiko kepunahan tinggi di alam.



Definisi Usulan Kriteria IUCN (Mace & Stuart 1994) (continue)

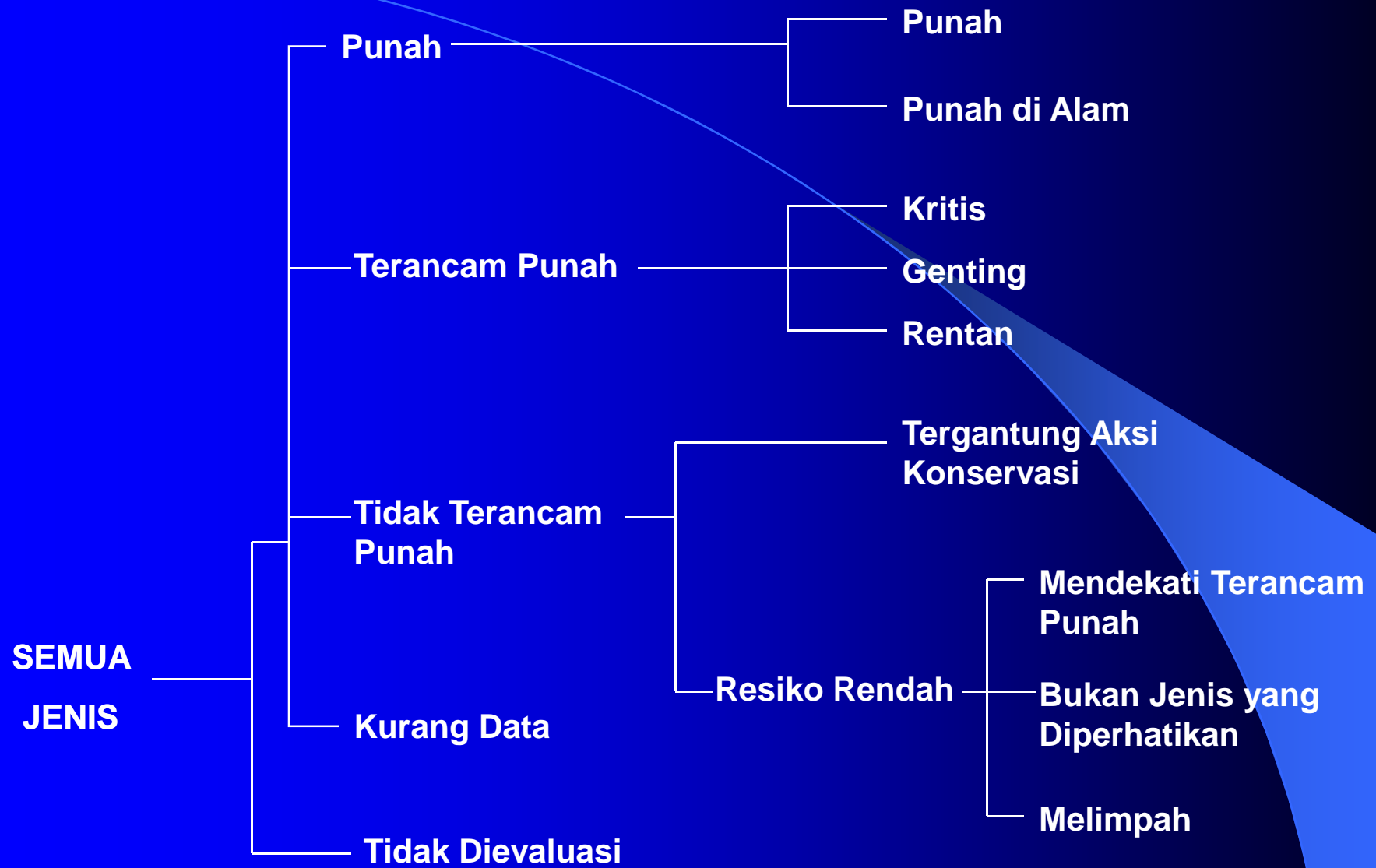
6. Keberadaannya Tergantung Aksi Konservasi (*Conservation Dependent*): taxon harus merupakan fokus dari program konservasi jenis atau habitat secara langsung mempengaruhi taxon tersebut.
7. Resiko Rendah (*Low Risk*):
 - taxon yang nyaris memenuhi syarat untuk dikatakan terancam punah (*near threatened*)
 - taxon yang tidak begitu menarik perhatian
 - taxon dengan populasi yang besar tetapi memiliki peluang yang sangat kecil untuk punah dimasa depan.
8. Kurang Data (*Data Deficient*): jika informasi yang diperlukan baik langsung ataupun tak langsung untuk menelaah resiko kepunahan idak memadai.
9. Tidak Dievaluasi (*Not Evaluated*): jika taxon tersebut tidak dinilai berdasarkan kriteria yang telah disebutkan.



Batasan Kategori Terancam Punah dari IUCN

	Kriteria	Kritis	Genting	Rentan
A	Penurunan Tajam	> 80% selama 10 tahun atau 3 generasi	> 50% selama 10 tahun atau 3 generasi	> 50% selama 20 tahun atau 5 generasi
B	Daerah Sebaran Yang Sempit	Luas daerah sebaran < 100 km ² . Luas daerah yang ditempati < 10 km ²	Luas daerah sebaran < 5.000 km ² . Luas daerah yang ditempati < 500 km ² .	Luas daerah sebaran < 20.000 km ² . Luas daerah yang ditempati < 2.000 km ²
C	Populasi Kecil	< 250 individu dewasa	< 2.500 individu dewasa	< 10.000 individu dewasa
D1	Populasi Sangat Kecil	< 50 individu dewasa	< 250 individu dewasa	< 1.000 individu dewasa
D2	Daerah Sebaran Sangat Kecil	-	-	< 100 km ² atau 5 lokasi
E	Kemungkinan Punah	Memiliki peluang untuk punah > 50% dalam kurun waktu 5 tahun	Memiliki peluang untuk punah > 20% dalam kurun waktu 20 tahun	Memiliki peluang untuk punah 10% dalam kurun waktu 100 tahun





CITES Resolution Conference 9.24 Regarding Criteria for Amandement of Appendices

Annex 1

Biological criteria for Appendix 1

A species is considered to be threatened with extinction if it meets, at least one of the following criteria.

- A. The wild population is small, and is characterized by at least one of the following:
- i) an observed, inferred or projected decline in the number of individuals or the area and quality of habitat; or
 - ii) each sub-population being very small; or
 - iii) a majority of individuals, during one or more life-history phases, being concentrated in the one sub-population; or
 - iv) large short-term fluctuations in the number of individuals; or
 - v) a high vulnerability due to the species's biology or behavior (including migration).



CITES Criteria for Appendices (continue)

B. The wild population has a restricted area of distribution and is characterized by at least one of the following:

- i) fragmentation or occurrence at very few locations; or
- ii) large fluctuations in the area of distribution or the number of sub-populations; or
- iii) a high vulnerability due to the species's biology or behavior (including migration); or
- iv) an observed, inferred or projected decrease in any one of the following:
 - the area of distribution; or
 - the number of sub-populations; or
 - the number of individuals; or
 - the area or quality habitat; or
 - reproductive potential.



CITES Criteria for Appendices (continue)

C. A decline in the number of individuals in the wild, which has been either:

- i) observed as ongoing or as having occurred in the past (but with a potential to resume); or
- ii) inferred or projected on the basis of any one of the following:
 - a decrease in area or quality of habitat; or
 - levels or patterns of exploitation; or
 - threats from extrinsic factors such as the effects of pathogens, competitors, parasites, predators, hybridization, introduced species and the effect of toxin and pollutants; or
 - decreasing reproductive potential

D. The status of the species is such that if the species is not included in Appendix I, it is likely to satisfy one or more of the above criteria within a period of five years.



CITES Criteria for Appendices (continue)

Annex 2 a

Criteria for the inclusion of species in Appendix II in accordance with Article II, paragraph 2 (a)

A species should be included in Appendix II when either of the following criteria is met.

- A. It is known, inferred or projected that unless trade in the species is subject to strict regulation, it will meet at least one of the criteria listed in Annex 1 in the near future.
- B. It is known, inferred or projected that the harvesting of specimens from the wild for international trade has, or may have, a detrimental impact on the species by either:
 - i) exceeding, over an extended period, the level that can be continued in perpetuity; or
 - ii) reducing it to a population level at which its survival would be threatened by other influences.



CITES Criteria for Appendices (continue)

Annex 2 b

Criteria for the inclusion of species in Appendix II in accordance with Article II, paragraph 2 (b)

Species should be included in Appendix II in accordance with Article II, paragraph 2 (b), if they satisfy one of the following criteria.

- A. The specimens resemble specimens of a species included in Appendix II under the provisions of Article II, paragraph 2 (a), or in Appendix I, such that a non-expert, with reasonable effort, is unlikely to be able to distinguish between them.
- B. The species is a member of a taxon of which most of the species are included in Appendix II under the provisions of Article II, paragraph 2 (a), or in Appendix I, and the remaining species must be included to bring trade in specimens of the others under effective control.



Species Criteria

1. Grafik Kriteria Kepunahan
2. Hubungan Antara Kriteria dan Kategori Terancam Punah
3. Kriteria IUCN
4. Batasan Kategori Terancam Punah Dari IUCN
5. Gambar Kriteria Spesies
6. CITES

