

Saran :

1. Perlu penelitian lebih lanjut dengan penyeleksian primer-primer yang dapat mengamplifikasi gen sitokrom-b *Cryptopterus* spp. secara utuh, sehingga analisis hubungan kekerabatan antar *Cryptopterus* yang diperoleh akan lebih stabil.
2. Perlu penelitian lebih lanjut dengan menggunakan bagian lain dari DNA mitokondria seperti daerah *D-loop* untuk lebih memantapkan analisis hubungan kekerabatan antara *Cryptopterus* spp., khususnya dari propinsi Riau.

DAFTAR PUSTAKA

- Doadrio, I. dan O. Dominguez. 2004. Phylogenetic Relationships within The Fish Family Goodeidae Based on Cytochrome-b Sequence Data. Molecular Phylogenetics and Evolution 31 : 416-430.
- Doadrio, I. dan A. Perdices. 2005. Phylogenetic Relationships Among The Ibero-African Cobitids (*Cobitis*, Cobitidae) Based on Cytochrome-b Sequence Data. Molecular Phylogenetics and Evolution 37 : 484-493.
- Duryadi, D. 1993. Role Possible du Comportement dan's l'evolution de Deux Souris *Mus macedonicus* et *Mus spicilegus* en Europe Centrale. Thesis Doctorat. France: Montpellier II, Sciences et Techniques du Languedoc.
- Elvyra, R. 2004. Beberapa Aspek Ekologi Ikan Lais *Cryptopterus limpop* (Blkr.) di Sungai Kampar Kiri Riau. Tesis. Program Pasca Sarjana Universitas Andalas Padang.
- Farias, I.P., G. Orti, I. Sampaio, H. Schneider dan A. Meyer. 2001. The Cytochrome-b Gene as a Phylogenetic Marker: The Limits of Resolution for Analyzing Relationships Among Cichlid Fishes. J. Mol. Evol. 53 : 89-103.
- FishBase. 2006. *A global information system on fishes*. <http://www.fishbase.org/> [16 Juni 2006].
- GenBank. 2005. Genomes. <http://www.ncbi.nlm.nih.gov/> [14 Maret 2006].
- Hardman, M. 2005. The Phylogenetic Relationships Among Non-Diplomystid Catfishes as Inferred from Mitochondrial Cytochrome-b Sequences; The Search for The Ictalurid Sister Taxon (Otophysi: Siluriformes). Molecular Phylogenetics and Evolution 37 : 700-720.

- Hartoto, D.I., A.S. Sarnita, D.S. Sjafei, A. Satya, Y. Syawal, Sulastri, M.M. Kamal dan Y. Siddik. 1998. Kriteria Evaluasi Suaka Perikanan Perairan Darat. Pusat Penelitian dan Pengembangan Limnologi. Lembaga Ilmu Pengetahuan Indonesia.
- Iguchi, K., Y. Tanimura, H. Takeshima and M. Nishida. 1999. Genetic Variation and Geographic Population Structure of Amphidromous Ayu *Plecoglossus altivelis* as Examined by Mitochondrial DNA Sequencing. *Journal Fisheries Science*, 65 (1): 63-67.
- Ketmaier, V., P.G. Bianco, M. Cobolli, M. Krivokapic, R. Caniglia dan E. De Matthaeis. 2004. Molecular Phylogeny of Two Lineages of Leuciscinae Cyprinids (*Telestes* and *Scardinius*) from The Peri-Mediterranean Area Based on Cytochrome-b Data. *Molecular Phylogenetics and Evolution* 32 : 1061-1071.
- Kocher, T.D., Thomas W.K., Meyer A., Edwards S.V., Paabo S., Villablanca F.X. & Wilson A.C. 1989. Dynamics of mitochondrial DNA evolution in animals: Amplification and sequencing with conserved primers. *Proc. Natl. Acad. Sci. USA*. 86: 6196-6200.
- Kottelat, M., A.J. Whitten, S.N. Kartikasari and S. Wirdjoatmodjo. 1993. Freshwater Fishes of Western Indonesia and Sulawesi. Periplus Edition (HK) in Collaboration with The Environment Rep. of Indonesia. Jakarta.
- Kumar S, Tamura K, Nei M. 2004. MEGA 3.0: integrated software for molecular evolutionary genetics analysis and sequence alignment. *Bioinformatics* 5: 150-163.
- Melton, T. 1999. Learn about Mitochondrial DNA. LLC. Myotyping Technol.
- Nelson JS. 1984. *Fishes of the world*. Canada: Jhon Wiley and Sons.
- Pereira, S.L. 2000. Mitochondrial Genome Organization and Vertebrate Phylogenetics. *Genetics and Molecular Biology* 23, 4: 745-752.
- Peng, Z., S. He dan Y. Zhang. 2004. Phylogenetic Relationships of Glyptosternoid Fishes (Siluriformes: Sisoridae) Inferred from Mitochondrial Cytochrome-b Gene Sequences. *Molecular Phylogenetics and Evolution* 31 : 979-987.
- Pulungan, C.P., M. Ahmad, Y.I. Siregar, A. Ma'amoen dan H. Alawi. 1985. Morfometrik Ikan Selais Siluroidea dari Perairan Kecamatan Kampar Kiri Kabupaten Kampar Riau. Pusat Penelitian Universitas Riau. Pekanbaru.
- Randi, E. 1996. A mitochondrial cytochrome b phylogeny of the alectoris partridges (abstract). *J Mol Phylogenetic Evol.* 6:214-227.

- Saanin, H. 1984. Taksonomi dan Kunci Identifikasi Ikan. Jilid I dan II. Penerbit Bina Cipta. Bandung.
- Schuster, W.H. dan R.R. Djajadiredja. 1952. Local Common Names of Indonesian Fishes. The Ministry of Agriculture of Indonesia Laboratory for Inland Fisheries. W. Van Hoeve. Bandung.
- Utomo, A.D., S. Adjie dan Asyari. 1990. Aspek Biologi Ikan Lais di Perairan Lubuk Lampam Sumatera Selatan. Buletin Penelitian Perikanan Darat, 2 (9) : 105-111.
- Weber, M. dan L.F. De Beaufort, 1913. The Fish of The Indo-Australian Archipelago. Vol. II. Malacopterygii, Myctophoidea, Ostariophysi : I. Siluroidea. E.J. Brill Ltd. Leiden.
- Welcomme, R.L. 1979. Fisheries Ecology of Floodplain Rivers. Longman Inc. New York.
- Wilcox, T.P., F.J. Garcia de Leon, D.A. Hendrickson and D.M. Hillis. 2004. Convergence among Cave Catfishes: Long-Branch Attraction and a Bayesian Relative Rates Test. Molecular Phylogenetics and Evolution 31: 1101-1113.