

# A Biology Lecturer Creates Collagen from Cork-Fish Squama

Submit by **denok** on **March 30, 2017** | Comment(s) : **0** | View : **3002**



**Widodo, PhD.Med.Sc**

Brawijaya University was succeeded to pass four proposals in CPPBT (*Calon Perusahaan Pemula Berbasis Teknologi/Prospective Technology-Based Start-up Companies*) held by Directorate General of Higher Education of the Ministry of Research Technology and Higher Education. The four were presented by Prof. Ir. Sukoso, M.Sc., PhD (title: "Biohydropro Technology, a Producer of Protein and Amino Acid"), Ahmad Zainuri, ST., MT (title: "Smart Programmable Power Controller: An Optimization Device on the Use of Electrical Energy to Support the Energy"), Widodo, PhD.Med.Sc (title: "Production of Natural Collagen Spray (NCS) Based on By-product of Fish Processing") and Dr. Mohammad Fadjar, M.Sc (title: Avibro, Anti Vibriosis Powder for Fish and Shrimp Aquaculture"). The presentation conducted at Ministry of Research Technology and Higher Education on Thursday (16/Mar/2017).

## Collagen from the of Cork-Fish Squama

Towards *PRASETYA Online*, Widodo who also the Head of Biology Department delivered about NCS (*Natural Collagen Spray*) production using cork-fish squama. The Coordinator of Functional Position Group (Kelompok Jabatan Fungsional/KJF) at Research and Community Services Institution of Brawijaya University delivered, collagen has a function to improve damaged skin tissue with anti-aging impact.

Widodo delivered, NCS production using modest technology namely physical extraction of cork-fish squama into collagen in liquid form. "An extraction without using chemical ingredient will be more safe for the skin," he said. Using by-product of cork-fish processing, the collagen is an environmental friendly product which he expected will able to penetrate into international market. The use of cork-fish, according to him also an alternative for collagen production which during the time has not been in clear halal.

By a research which still in laboratory scale, Widodo expected that Brawijaya University could facilitate NCS mass production up to its commercialization. The facilitation, according to him can use Brawijaya University Park which is currently still under discussion.

Furthermore, Widodo pointed that he does not willing for a patent application either in NCS production or processing. "Its production is not only use modest technology, but also do not need a patent application," he said. The man who graduated his doctoral degree in Japan prefers to use a trade secret in order to deal with market competition. This is because it has a lot of collagen producers in the market use established mass production technology along with good distribution chain. "Hopefully the product could become Brawijaya University license.

And so there is no intention to release either its companies or SMEs," said Widodo who sell his products in the range of five thousand rupiahs.

In NCS development, Widodo plans to diversify its raw materials using snapper-fish squama which is now ready in his office, in the second floor of bio-molecular of Brawijaya University. If currently it is still in spray form, then in the future, the collagen will be packed in capsules and will become a super healthy agent to overcome degenerative diseases like heart attack and liver disease. [denok/Humas UB/trans. Denok]

## **Related Article**

- [Faculty of Sciences Holds the 19th National Conference on Mathematics](#)
- [World Class Visiting Professor to Italia and Japan by Prof. Fatchiyah](#)
- [The 8th Basic Science International Conference 2018](#)
- [7 Faculties and 1 Vocational Program Joins in On MIPA 2018 Selection](#)
- [Faculty of Science Will Organize IC2MS 2017](#)