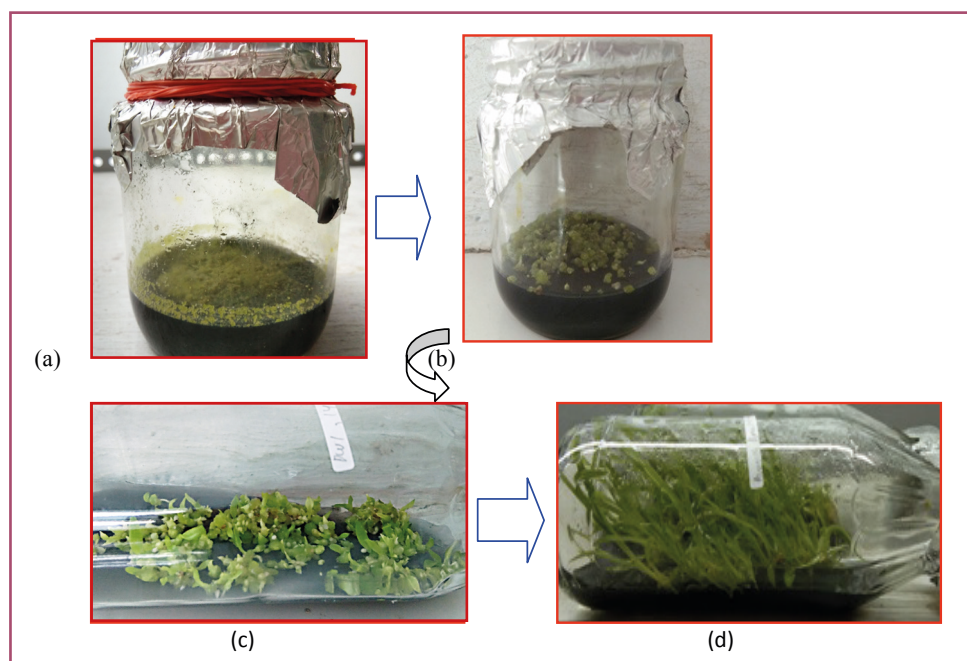




## Research project of counterparts funded at UNJA

Name	Counterpart	Title
Upik Yelianti (UNJA), Dewi Komariah (PT REKI)	Z01	Conservation by tissue culture techniques of <i>Cymbidium</i> orchids

During 2017, 16 species of indigenous orchids were collected (by Upik Yelianti) from Harapan Rainforest, Jambi Province. This research continued in 2018 with the conservation of these orchids using tissue culture techniques. The research took place at the Tissue Culture Laboratory, Taman Anggrek, Jambi Province. The species used in this research was a species of *Cymbidium* (seeds and shoots). The orchid was grown in Vaccint and Went medium with added growth hormones (auxin and cytokinin). The seed germinated and produced small plants within about 3 months. They were then subcultured into new medium with auxin and cytokinin where, after six months, they developed shoots and roots (Figure 1). However, despite precautions, explants from shoots became contaminated.



**Figure 1.** The seed growth responses of orchids *Cymbidium* spp., in the VW medium with charcoal: (a) germinated seed (at about 2 months), (b) protocorm like body (about 3 months), (c) plantlet, and (d) the plantlet ready for acclimatization