

## **Abstract**

In my bachelor's thesis I focus on bipedal locomotion and bipedal posture of various primate species in a morphological, ontogenetic and ecological context. Nowadays, a habitual bipedalism is used only by human, about whom I mention only marginally with comparing him to the other primates in my thesis. First part of thesis deals with morphological aspects of bipedal primate locomotion, including description of anatomical differences of primate species and comparison of bipedal walk to quadrupedal walk. Next in thesis, I deal with ontogenetic aspects of bipedal primate locomotion, where I compare the rate of bipedal use among infant and adult primates and also among selected primate species. Finally, I describe the use of bipedal walk and bipedal postures of primates in different situations and ecological conditions.

Keywords: bipedalism, primates, primate locomotion, ontogenetic aspects, morphology, ecological aspects, transport, human