

Staff Handbook

Name	<i>Dimas Hand Vidya Paradhipta, S.Pt., M.Sc., Ph.D.</i>		
Post	<i>Feed technology, microbes application, ruminant nutrition</i>		
Academic career	<i>Doctorate</i>	<i>Gyeongsang National University, South Korea</i>	<i>2021</i>
	<i>Graduate degree</i>	<i>Gyeongsang National University, South Korea</i>	<i>2018</i>
	<i>Undergraduate degree</i>	<i>Universitas Gadjah Mada</i>	<i>2014</i>
Employment	<i>Lecture</i>	<i>Permanent Lecturer</i>	<i>2018-present</i>
Research and development projects over the last 5 years	<p><i>Research projects:</i></p> <ol style="list-style-type: none"> <i>1. The utilization of poultry manure and sheep faecal as unconventional feed based on fermentation technique</i> <i>Source of Funds: Agricultural Research and Development Agency, Indonesia</i> <i>2. The effect of microbe application and absorbent level on the quality of fermented poultry manure as unconventional feed (2021)</i> <i>Source of Funds: Faculty of Animal Science, Universitas Gadjah Mada, Indonesia</i> <i>3. Development of rice silage as animal feed (2020-2021)</i> <i>Source of Funds: IPET and Ministry of Agriculture, Food, and Rural Affairs, South Korea</i> <i>4. The study for improving feed value of domestic forage (2020)</i> <i>Source of Funds: Rural Development Administration, South Korea</i> <i>5. Application and management of effective miroorganisms in Hadong-gun (2020)</i> <i>Source of Funds: Hadong Agricultural Technology Center, South Korea</i> <i>6. The study of cultivar selection for sprouted cereal diets and its effect on animals (2018-2021)</i> <i>Source of Funds: Rural Development Administration, South Korea</i> <i>7. Development of new silage inoculant for corn silage (2018-2021)</i> <i>Source of Funds: Laboratory of Animal Feed and Nutrition, Gyeongsang National University</i> <i>8. Dietary fatty acid and vitamin E on Hanwoo cows (2017-2019)</i> <i>Source of Funds: Laboratory of Animal Feed and Nutrition, Gyeongsang National University</i> <i>9. Development of new silage additives for rye harvested at a late stage (2016-2018)</i> <i>Source of Funds: Rural Development Administration, South Korea</i> <i>10. Development of sorghum-sudan grass silage as animal feed (2016-</i> 		

	<p>2018)</p> <p>Source of Funds: Laboratory of Animal Feed and Nutrition, Gyeongsang National University</p> <p>11. The use of natural glycoalkaloid for animal feed (2015)</p> <p>Source of Funds: Rural Development Administration, South Korea</p> <p>Community Service over the last 5 years</p> <p>1. Alternative feed through feed technology at Sumber Rejeki Livestock Group, Tambakrejo, Tempel, Sleman (2021)</p> <p>Source of Funds: Faculty of Animal Science Universitas Gadjah Mada Service Grants</p>
Industry collaborations over the last 5 years	<p>1. Project title: Research</p> <p>Partners: Rural Development Administration, South Korea Agency</p> <p>2. Project title: Research</p> <p>Partners: IPET and Ministry of Agriculture, Food, and Rural Affairs, South Korea Agency</p> <p>3. Project title: Research</p> <p>Partners: Hadong Agricultural Technology Center, South Korea Agency (Research)</p> <p>4. Project title: Research</p> <p>Partners: Agricultural Research and Development Agency, Indonesia</p>
Patents and proprietary rights	-
Important publications over the last 5 years	<p>Total number of publications: 29</p> <p>1. Effects of inoculants producing antifungal and carboxylesterase activities on corn silage and its shelf life against mold contamination at feed-out phase (Dimas Hand Vidya Paradhipta, Young Ho Joo, Hyuk Jun Lee, Seong Shin Lee, Hyeon Tak Noh, Jeong Seok Choi, Jinwoo Kim, Sam Churl Kim) (2021)</p> <p>Publisher: Microorganisms 9:558</p> <p>2. Effects of essential fatty acid supplementation on in vitro fermentation indices, greenhouse gas, microbes, and fatty acid profiles in the rumen (Sardar M Amanullah, Dong Hyeon Kim, Dimas Hand Vidya Paradhipta, Hyuk Jun Lee, Young Ho Joo, Seong Shin Lee, Eun Tae Kim, Sam Churl Kim) (2021)</p> <p>Publisher: Frontier in Microbiology 12:637220</p> <p>3. Impact of supplementary microbial additives producing antimicrobial substances and digestive enzymes on growth performance, blood metabolites, and fecal microflora of weaning pigs (Hyuk Jun Lee, Hyeon Tak Noh, Dimas Hand Vidya Paradhipta, Young Ho Joo, Seong Shin Lee, Jeong Seok Choi, Dong Hyeon Kim, Soo Ki Kim, Sam Churl Kim) (2021)</p>

Publisher: Animals 11:1217

4. *Application of lactic acid bacteria producing antifungal substance and carboxylesterase on whole cop rice silage with different dry matter (Seong Shin Lee*, **Dimas Hand Vidya Paradhipta***, Hyuk Jun Lee, Young Ho Joo, Hyeon Tak Noh, Jeong Seok Choi, Keum Bae Ji, Sam Churl Kim) These authors contributed equally (2021)*

Publisher: Animal Bioscience 34(6):1029-1037

5. *Application of selected inoculant producing antifungal and fibrinolytic substances on rye silage with different wilting times (Seong Shin Lee, Jeong Seok Choi, **Dimas Hand Vidya Paradhipta**, Young Ho Joo, Hyuk Jun Lee, Hyeon Tak Noh, Dong Hyeon Kim, Sam Churl Kim) (2021)*

Publisher: Processes 9:897

6. *Improvement of conception rate on Hanwoo; The key hormones and novel estrus detector (Young Ho Joo, Seung Min Jeong, **Dimas Hand Vidya Paradhipta**, Hyuk Jun Lee, Seong Shin Lee, Jeong Seok Choi, Hyeon Tak Noh, Hong Hee Chang, Eun Joong Kim, Sam Churl Kim) (2021)*

Publisher: Journal of Animal Science and Technology 63(6):1265-1274

7. *Effects of cutting length on fermentation characteristics and aerobic stability of whole crop rice silage (Seong Shin Lee, Young Ho Joo, Jeong Seok Choi, Seung Min Jeong, Dimas Hand Vidya Paradhipta, Hyeon Tak Noh, Sam Churl Kim) (2021)*

Publisher: Journal of the Korean Society of Grassland and Forage Science 41(3):155-161

8. *Effects of ensiling period and bacterial inoculants on chemical compositions and fermentation characteristics of rye silage (Seong Shin Lee, Young Ho Joo, Jeong Seok Choi, Seung Min Jeong, **Dimas Hand Vidya Paradhipta**, Hyeon Tak Noh, Ouk Kyu Han, Sam Churl Kim) (2021)*

Publisher: Journal of the Korean Society of Grassland and Forage Science 41(4):259-266

9. *Effects of rumen pH on degradation kinetics and fermentation indices of corn silage ensiled with antifungal and carboxylesterase producing inoculants (Hong-Hee Chang*, **Dimas Hand Vidya Paradhipta***, Seong Shin Lee, Hyuk Jun Lee, Young Ho Joo, Hyeong Gyu Min, Sam Churl Kim) These authors contributed equally (2020)*

Publisher: Journal of the Korean Society of Grassland and Forage Science 40(3):131-137

10. *Effects of microbial and organic additives on fermentation quality and aerobic stability of barley silage (Young Ho Joo, Dong Hyeon Kim, Hyuk Jun Lee, Seong Shin Lee, **Dimas Hand Vidya Paradhipta**, In Hag Choi, Sam Churl Kim) (2020)*

Publisher: Journal of Agriculture and Life Science 54(1):35-44

11. *Effects of potato by-product containing glycoalkaloid on rumen*

fermentation characteristics (**Dimas Hand Vidya ParadhIPTA**, Hyuk Jun Lee, Young Ho Joo, Seong Shin Lee, Dong Hun Kang, Ki Yong Chung, Sam Churl Kim) (2020)

Publisher: *Journal of Agriculture and Life Science* 54(4):69-74

12. Effects of baler chamber pressure and moisture concentration of Italian ryegrass on quality of round bale silage (Chang Woo Min, Inam Khan, Hyeon Tak Noh, **Dimas Hand Vidya ParadhIPTA**, Young Ho Joo, Dong Eon Kim, Woo Young Hur, Byung Hyun Lee) (2020)

Publisher: *Journal of Agriculture and Life Science* 54(5):29-35

13. Effects of sowing and harvesting dates on forage productions and feed value of rye and triticale in Younam mountain area (Hyuk Jun Lee, Ouk Kyu Han, Young Ho Joo, Seong Shin Lee, **Dimas Hand Vidya ParadhIPTA**, Ja-Hwan Ku, Hyeong Gyu Min, Jung Sik Oh, Sam Churl Kim) (2020)

Publisher: *Journal of the Korean Society of Grassland and Forage Science* 40(1):57-65

14. Effects of wild or mutated inoculants on rye silage and its rumen fermentation indices (**Dimas Hand Vidya ParadhIPTA**, Young Ho Joo, Hyuk Jun Lee, Seong Shin Lee, Youn Sig Kwak, Ouk Kyu Han, Dong Hyeon Kim, Sam Churl Kim) (2020)

Publisher: *Asian-Australasian Journal of Animal Science* 33(6):949-956

15. Effects of Wormwood (*Artemisia montana*) essential oils on digestibility, fermentation indices, and microbial diversity in the rumen (Seong Shin Lee, Dong Hyeon Kim, **Dimas Hand Vidya ParadhIPTA**, Hyuk Jun Lee, Hee Yoon, Young-Ho Joo, Adegbola T Adesogan, Sam Churl Kim) (2020)

Publisher: *Microorganisms* 8:1605

16. Dual-purpose inoculants and their effects on corn silage (**Dimas Hand Vidya ParadhIPTA**, Seong Shin Lee, Byeongsam Kang, Young Ho Joo, Hyuk Jun Lee, Yeyeong Lee, Jinwoo Kim, Sam Churl Kim) (2020)

Publisher: *Microorganisms* 8:765

17. Effect of sowing and harvesting dates on the agronomic characteristics and feed value of corn and sorghum × sorghum hybrid in Younngnam mountain area (Hyuk Jun Lee, Young Ho Joo, Seong Shin Lee, **Dimas Hand Vidya ParadhIPTA**, Ouk Kyu Han, Ja Hwan Ku, Hyeong Gyu Min, Jung Sik Oh, Sam Churl Kim) (2019)

Publisher: *Journal of Agriculture and Life Science* 53(1):85-92

18. Effects of hybrid and inoculant on rumen digestibility and fermentation indices of corn silage (Seong Shin Lee, **Dimas Hand Vidya ParadhIPTA**, Young Ho Joo, Hyuk Jun Lee, Dong Hyeon Kim, Sang Bum Kim, Sam Churl Kim) (2019)

Publisher: *Journal of Agriculture and Life Science* 53(1):85-92

19. The study of fermented chesnut meal and its rumen fermentation

characteristics (Young Ho Joo, Dong Hyeon Kim, Hyuk Jun Lee, Seong Shin Lee, **Dimas Hand Vidya Paradhista**, Chang Ju Ha, Sam Churl Kim) (2019)

Publisher: Journal of Environmental Science International 28(6):527-533

20. Investigation on the actual state of grassland in Republic of Korea (Hyuk Jun Lee, Young Ho Joo, Seong Shin Lee, **Dimas Hand Vidya Paradhista**, Ouk Kyu Han, Ja Hwan Ku, Hyeong Gyu Min, Jung Sik Oh, Sam Churl Kim) (2019)

Publisher: Journal of the Korean Society of Grassland and Forage Science 39(2):1-8

21. Temperature and microbial changes of corn silage during aerobic exposure (Seong Shin Lee, Hyuk Jun Lee, **Dimas Hand Vidya Paradhista**, Young Ho Joo, Sang Bum Kim, Dong Hyeon Kim, Sam Churl Kim) (2019)

Publisher: Asian-Australasian Journal of Animal Science 32(7):988-995

22. Assessing the effect of fermented chestnuts on growth performance, carcass traits, and meat quality in Hanwoo steers during the late fattening period (Young-Ho Joo, Dong Hyeon Kim, Hyuk Jun Lee, In Hag Choi, Hyen Seok Lee, **Dimas Hand Vidya Paradhista**, Sam Churl Kim) (2019)

Publisher: Advances in Animal and Veterinary Science 7(9):770-775

23. Effects of inoculants application on fermentation quality and rumen digestibility of high moisture sorghum-sudangrass silage (**Dimas Hand Vidya Paradhista**, Young Ho Joo, Hyuk Jun Lee, Seong Shin Lee, Dong Hyeon Kim, Jong Duk Kim, Sam Churl Kim) (2019)

Publisher: Journal of Applied Animal Research 47(1):486-491

24. Effect of inoculant application level on chemical composition of fermented chestnut meal and its rumen fermentation indices (Dong Hyeon Kim, Young Ho Joo, Hyuk Jun Lee, Seong Shin Lee, **Dimas Hand Vidya Paradhista**, Nag Jin Choi, Sam Churl Kim) (2018)

Publisher: Journal of Environmental Science International 27(5):333-340

25. Effects of selected inoculants on chemical compositions and fermentation indices of rye silage harvested at the dough stage (Seong Shin Lee, **Dimas Hand Vidya Paradhista**, Young Ho Joo, Hyuk Jun Lee, Youn Sig Kwak, Ouk Kyu Han, Sam Churl Kim) (2018)

Publisher: Journal of the Korean Society of Grassland and Forage Science 38(2):99-105

26. Effects of new inoculants on in vitro digestibility and fermentation indices of high moisture rye silage (Seong Shin Lee, **Dimas Hand Vidya Paradhista**, Young Ho Joo, Hyuk Jun Lee, Hyun Son, Ouk Kyu Han, Dong Hyeon Kim, Sam Churl Kim) (2018)

	<p><i>Publisher: Journal of Agriculture and Life Science 52(5):71-79</i></p> <p>27. <i>Effect of microbial inoculants on fermentation quality and aerobic stability of sweet potato vine silage (Young-Ho Joo, Dong Hyeon Kim, Dimas Hand Vidya Paradhista, Hyuk Jun Lee, Sardar M Amanullah, Sang Bum Kim, Sam Churl Kim) (2018)</i></p> <p><i>Publisher: Asian-Australasian Journal of Animal Science 31(2):1897-1902</i></p> <p>28. <i>Effects of probiotic supplementation on growth performance, blood metabolites, and meat quality of Hanwoo steer (Dimas Hand Vidya Paradhista, Chung Hwan Jeon, In Hag Choi, Hyuk Jun Lee, Young Ho Joo, Seong Shin Lee, Dong Hyeon Kim, Sam Churl Kim) (2017)</i></p> <p><i>Publisher: Journal of Environmental Science International 26(8):967-976</i></p> <p>29. <i>Effect of homo or heterofermentative inoculants on fermentation characteristics and aerobic stability of rye silage (Dong Hyeon Kim, Seong Shin Lee, Dimas Hand Vidya Paradhista, Young Ho Joo, Hyuk Jun Lee, Youn Sig Kwak, Ouk Kyu Han, Sam Churl Kim) (2017)</i></p> <p><i>Publisher: Journal of Agriculture and Life Science 51(5):81-89</i></p>
<p>Activities in specialist bodies over the last 5 years</p>	<p>-</p>