```python
from faker import Faker
import factory
from factory.django import DjangoModelFactory


from .models import Product  # Replace with your product model path


fake = Faker()


class ProductFactory(DjangoModelFactory):
    """Factory for creating fake Product objects."""

    class Meta:
        model = Product

    name = factory.LazyFunction(lambda: fake.commerce.product_name())
    description = factory.LazyFunction(lambda: fake.text(200))
    price = factory.Decimal(min_value=0.01, max_value=999.99)
    stock = factory.Faker('pyint', min_value=0, max_value=100)
    image = factory.Optional(factory.django.ImageField(filename='default.jpg'))
    category = factory.Faker('pyint', min_value=1, max_value=10)  # Assuming category is an integer field
    # Add more fields as needed

    @factory.lazy_attribute
    def discount(self):
        """Optionally generate a discount between 0% and 50%."""
        if fake.boolean(chance_of_getting_true=20):  # 20% chance of discount
            return round(fake.random.uniform(0, 0.5), 2)  # Discount between 0 and 50%
        return None
```